

APPENDIX B DREDGING NEEDS



ENVIRONMENTAL IMPACT STATEMENT FOR THE DESIGNATION OF DREDGED MATERIAL DISPOSAL SITES IN CENTRAL AND WESTERN LONG ISLAND SOUND, CONNECTICUT AND NEW YORK

APPENDIX B

Dredging Needs Navigation-Dependent Facilities

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October, 2001



United States
Environmental
Protection Agency

US Army Corps
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New England District
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DACW 33-96-D-0004 (Task Order 25, Mod. 14)
Document No. LIS-2001-S08-E

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1.0 INTRODUCTION

1.1 BACKGROUND

The U.S. Environmental Protection Agency, Regions I and II (EPA), and the U.S. Army Corps of Engineers, New England District (the Corps), are proceeding with the preparation of an Environmental Impact Statement (EIS) in compliance with the National Environmental Policy Act (NEPA). The EIS will consider the potential designation of one or more dredged material disposal sites in the waters of Long Island Sound (LIS) consistent with the provisions of Section 102(c) of the Marine Protection, Research, and Sanctuaries Act (MPRSA) and 40 CFR 230.80 of EPA's regulations under section 404 of the Clean Water Act (CWA). Prior to making a decision on designation, the EPA is required to evaluate the environmental and socioeconomic impacts of a range of alternatives for disposal of dredged material in the waters of LIS. In conducting this evaluation, potential economic impacts on businesses who depend on dredging must be considered in relation to the general and specific site selection criteria of the MPRSA.

Included in the economic impact analysis are several major tasks:

- a) Survey of Navigation-Dependent facilities
- b) Determination of Dredging Needs and Future Quantities
- c) Estimate of Economic Significance of Navigation-Dependent Industries
- d) Analysis of Social and Economic Impact of Disposal Alternatives
- e) Analysis of Socioeconomic Impacts of Disposal Activities at Alternative Disposal Sites

This report covers the first two items in the list above: a) Survey of Navigation-Dependent facilities, and b) determination of dredging needs and future quantities for facilities located within LIS study area. Task c is covered in a report "Economic Significance, Navigation-Dependent Industries" (ENSR, October 2001). The results of the survey task will also assist in completing tasks d and e above, which will be reported separately.

2.0 METHODS

2.1 DREDGING NEEDS STUDY AREA

For the purposes of identifying Navigation-Dependent facilities, the study area was defined as follows: The study area extends essentially from Montauk Point, New York west along northern Long Island to the East River, and then east through Connecticut to the southern coast of Rhode Island west of Point Judith, including Block Island, Rhode Island. The study area includes all harbors on Long Island Sound proper in Connecticut and New York. In New York, the study area includes the East River and Long Island shorelines of the Bronx and Queens counties, and the Long Island shoreline of Westchester, Nassau, and Suffolk Counties. In Connecticut, the study area includes the entire coastline. In addition, the study area includes the Peconic Bay and Gardiners Bay shorelines in New York, the Fishers Island Sound shores of Connecticut and Rhode Island, and the Block Island Sound shores of New York and Block Island. The study area does not include New York Harbor itself, but does include the Corps of Engineers New York District projects for the eastern East River, Flushing Bay, Bronx River. The Connecticut River below Hartford navigation project is included, as is the Thames River to Norwich, Housatonic River to Derby, etc. All harbors and port or Navigation-Dependent facilities in this area, whether Federal or not, are included in the study area. The study area is shown on Figure 1.

2.2 DATABASE

In order to facilitate the survey phase, the list of Navigation-Dependent facilities and a list of other contacts were created on database tables. One table lists the Navigation-Dependent facilities and the other lists points of contact for information on both public and private facilities (harbormasters, and other public officials). During the survey phase, the individuals on the contact list were surveyed to determine municipal and private dredging needs and to verify the facilities list for areas in their jurisdiction. The initial source of data for the facility list came from the Corps of Engineers Port Series database (described below). The fields from the Port Series database were used for this initial list since it includes sufficient identification information to locate and contact each facility. Additional fields were added to include responses from the questionnaire used in the survey. The fields used in the contact list are sufficient to establish communications with each individual listed. Appendix A includes a list of all fields in the database.

Long Island Sound Dredged Material Disposal EIS

Navigation-Dependent Facilities

Key to Figure 1 – Study Area

<u>Map</u>			<u>Map</u>			<u>Map</u>		
ID	City/Town	ST	ID	City/Town	ST	ID	City/Town	ST
1	Branford	CT	47	Bronx	NY	95	Roslyn Harbor	NY
2	Bridgeport	CT	48	Asharoken	NY	96	Rye	NY
3	Chester	CT	49	Baxter Estates	NY	97	Rye Brook	NY
4	Clinton	CT	50	Bayville	NY	98	Saddle Rock	NY
5	Cromwell	CT	51	Belle Terre	NY	99	Sag Harbor	NY
6	Darien	CT	52	Brookhaven	NY	100	Sands Point	NY
7	Deep River	CT	53	Centre Island	NY	101	Sea Cliff	NY
8	Derby	CT	54	Cove Neck	NY	102	Shelter Island	NY
9	East Haddam	CT	55	Dering Harbor	NY	103	Shinnecock Bay	NY
10	East Hampton	CT	56	East Hampton	NY	104	Shoreham	NY
11	East Hartford	CT	57	Flower Hill	NY	105	Smithtown	NY
12	East Haven	CT	58	Glen Cove	NY	106	Southold	NY
13	East Lyme	CT	59	Great Neck	NY	107	Thomaston	NY
14	Essex	CT	60	Great Neck Est	NY	108	Charlestown	RI
15	Fairfield	CT	61	Greenport	NY	109	Narragansett	RI
16	Glastonbury	CT	62	Head Of Harbor	NY	110	New Shoreham	RI
17	Greenwich	CT	63	Huntington	NY	111	South Kingstown	RI
18	Groton	CT	64	Huntington Bay	NY	112	Westerly	RI
19	Guilford	CT	65	Kensington	NY			
20	Haddam	CT	66	Kings Point	NY			
21	Hartford	CT	67	Lake Success	NY			
22	Ledyard	CT	68	Larchmont	NY			
23	Lyme	CT	69	Lattingtown	NY			
24	Madison	CT	70	Laurel Hollow	NY			
25	Middletown	CT	71	Lloyd Harbor	NY			
26	Milford	CT	72	Mamaroneck	NY			
27	Montville	CT	73	Manor Haven	NY			
28	New Haven	CT	74	Mill Neck	NY			
29	New London	CT	75	Mount Vernon	NY			
30	Norwalk	CT	76	N Hempstead	NY			
31	Norwich	CT	77	New Rochelle	NY			
32	Old Lyme	CT	78	Nissequogue	NY			
33	Old Saybrook	CT	79	North Haven	NY			
34	Orange	CT	80	Northport	NY			
35	Portland	CT	81	Old Field	NY			
36	Preston	CT	82	Oyster Bay	NY			
37	Rocky Hill	CT	83	Oyster Bay Cov	NY			
38	Shelton	CT	84	Pelham Manor	NY			
39	Stamford	CT	85	Plandome	NY			
40	Stonington	CT	86	Plandome Hgts	NY			
41	Stratford	CT	87	Plandome Manor	NY			
42	Waterford	CT	88	Poquott	NY			
43	West Haven	CT	89	Port Chester	NY			
44	Westbrook	CT	90	Port Jefferson	NY			
45	Westport	CT	91	Port Wash No	NY			
46	Wethersfield	CT	92	Queens	NY			
			93	Riverhead	NY			
			94	Roslyn	NY			

FIGURE 1 NAVIGATION-DEPENDENT FACILITIES – STUDY AREA

2.3 DATA SOURCES

Several data sources were investigated to identify and locate Navigation-Dependent facilities and to assist in projecting dredging quantities. Each source was searched for listings in each city/town within the study area. The sources of data are as follows:

Port Series Reports – The Corps of Engineers, Water Resources Support Center, Navigation Data Center publishes the Port Series Reports. This information is also available on CD-ROM and on their web page. This data provides detailed information for all major port facilities in the United States. Each dock or wharf is listed separately even in cases where they are located at the same facility. (www.wrsc.usace.army.mil/ndc)

Embassy Guide, Long Island Sound – This commercial directory (seventh edition) by Maptech includes coverage from New York Harbor to Block Island. This directory includes facilities of interest to recreational boaters and includes marinas, yacht clubs, boat repairs, restaurants etc. Business name and phone numbers are given and in some cases approach and dockside depths. Dockage, services and supplies and other amenities are also listed. (hardcopy)

Internet Directories – The primary directory used was the yahoo.com yellow pages which was searched for each town/city in the study area using many keywords including: marina, boat building, boat repair, harbormaster, shipyard, dock, dry dock, ferry, landing, wharf, terminal, pier, port, berth, yacht clubs. Other internet directories were also used. This source provided the address and phone number and a link to a location map. (<http://yp.yahoo.com/>)

Chartnet.com – This internet database includes all marinas and yacht clubs within the United States and includes name, city/town and phone number. (<http://www.charternet.com/marinas/>)

New York Sea Grant List – Prepared by the New York State Department of Environmental Conservation, New York Sea Grant, and the Empire State Marine Trades Association. The inventory was conducted as part of the state's Clean Vessel Act Program and funded through the Sport Fish Restoration Program. This list which includes waterway location, phone number and facility features, was developed in 1997 and updated in 2000. (<http://www.cce.cornell.edu/seagrant/marinas/limarinas.html>)

Pumpout Facilities Directory 1999 – This internet site is managed by the Connecticut Department of Environmental Protection (CTDEP) <http://www.dep.state.ct.us> and provides the names, phone numbers, and towns of facilities which provide services for pumping of bilge water. The site is located on the CTDEP internet site at <http://www.dep.state.ct.us/olisp/cva/pumpdir3.htm>.

After the initial database was completed copies were distributed to the LIS project team and the Working Group on March 2001 for comments, additions and corrections.

The following databases were reviewed and cross checked with the facilities list and used for projecting dredged material quantities:

Connecticut DEP Permit Database – This database includes all activities requiring a permit from DEP for the period from 1940 to April 2001. This data was searched for any activities that included dredging, open water disposal or upland disposal from 1981 to 2001. Although the data included a quantity field, the information prior to 1995 was incomplete or missing. This database was created in its present form in the mid-1990's. Basic information on permits prior to that time was entered but other fields including volumes were left blank. The database was useful for project location information and dredging project timing.

DAMOS Database – The Corps of Engineers Disposal Area Monitoring System (DAMOS) database includes records of all dredged material disposal events at the four open water LIS disposal sites. The data includes quantity estimates based on inspector reports from scow loads. The permit applicant name is given but no project location is listed. The Corps permit number is given which can be researched to obtain additional project information. Data is most accurate for the period from 1985 to present. Projects in this database were linked to the main database when the facility for each could be matched. This database was used to help project maintenance dredge material volumes for facilities that did not complete the survey or answered that future maintenance dredging would occur but did not include volumes estimates.

Corps of Engineers Federal Navigation Project Table – Federal navigation project information for both the New England and New York Districts, Corps of Engineers, was obtained from a spreadsheet provided by the New England District. Supplemental details were provided by the New York District in August 2001. This information includes the dredging/construction history of active Federal navigation projects in Connecticut, New York and Rhode Island for both improvement and maintenance projects.

2.4 NAVIGATION-DEPENDENT FACILITY LIST

The objective of this task was to identify 100% of all Navigation-Dependent facilities and contacts. Because of the large geographic study area and large number of facilities, an initial list was created using the databases and directories described in the previous section. The first six data sources described in Section 2.3 were entered and resulted in 1226 facilities. Every effort was made to cross check the databases and canvas other facilities during the survey process. Many businesses have changed names, have been sold or had gone out of business. After entering all the data, the database was searched for duplicates and missing contact information. The questionnaire package described in

Section 2.5 included a list of facilities for each geographic area and a request to check it for completeness. During the survey process, the facilities database was further refined based on the responses received.

The final facility count was 1009 itemized by state as follows:

	Facilities	Contacts
Connecticut	513	61
New York	446	32
Rhode Island	50	5
TOTAL	1009	98

A list of all facilities is reproduced in Appendix B. A list of those individuals and other contacts not included on the facilities list is provided in Appendix C.

2.5 SURVEY OF NAVIGATION-DEPENDENT FACILITIES

A survey approach was developed to gather data from dredge dependent facilities to meet the needs of the economic impact studies. The primary vehicle was a questionnaire designed to: verify the facility location, type, nature and size of business; future dredging needs and the financial impact of not dredging. A copy of the questionnaire, a cover letter, fact sheet and a description of other materials sent to facilities are included in Appendix D. A facility list, specific to the location of each facility was included with each package. Appendix D also includes a table of the 25 areas or locations (Map numbers) used for preparing each list. The questionnaire required the approval of the Corps of Engineers, Department of Defense and Office of Management and the Budget (OMB). The questionnaire was approved by OMB on April 26, 2001.

The questionnaire was distributed to facilities in several different ways. For small facilities such as marinas and yacht clubs, the questionnaire was mailed. For deep draft facilities, individual calls were made offering a visit to the facility to go over the questionnaire or, fax or mail depending on the respondent's request.

The first mailing to 808 facilities was on May 23, 2001. Other mailings occurred through July 6, 2001 for a total mailing of 894. The later mailings were primarily used to re-mail after address corrections were received. This count does not include fax or hand distribution. Also, groups such as the Connecticut Marine Trades Association, the Connecticut Maritime Coalition and the New Haven Cooperative, Inc.

made calls and distributed copies of the questionnaire. These copies were primarily duplicates to replace lost questionnaires or to expedite responses.

During the period from May to September, 2001, the responses were recorded in the database as they were received. Each facility which did not respond was called. In some cases several calls were necessary to reach those who could provide needed information. Facilities were offered several means to respond: phone interview, personal interview, fax or another mailing.

2.6 DETERMINATION OF DREDGING NEEDS AND FUTURE QUANTITIES

A major task of the study was to determine the dredging needs of the study area and future dredged material quantities. The objective here was to use this information to locate dredging centers and for use in site screening for dredged material disposal. The time scale used was 20 years, broken down into 5-year increments. The primary sources of this information were responses to the questionnaire for all public and private facilities and the Corps' own records for federal navigation channels. The quantities were then analyzed by geographical areas to determine logical groupings of dredging needs (dredging centers). The results of the survey and the analysis of the data is presented in the next section.

3.0 RESULTS

The final list of facilities and contacts is included in Appendices B and C respectively. These lists only display the state, city/town, facility or contact name and the data source(s) used. A list of all database fields is displayed in Appendix A. Details of the survey responses from each facility is not provided in this report to protect the confidentiality of the respondents.

The response rate to the survey was approximately 29%. Prior to follow-up calls the response rate was approximately 15%.

Dredging needs are presented in two major categories: federal navigation channels and all other facilities. All other facilities include deep draft and smaller facilities. For the purposes of this report deep draft facilities are those included in the Corps' Port Series Database. In general, these facilities are the large commercial shipping facilities that utilize deeper draft vessels than recreational vessels.

Dredged material quantities obtained from the questionnaire responses are provided in summary form in this section and in more detail in Appendix E. The responses to all questions are included in the database and will be available to the LIS study team for use in future studies and reports.

When sufficient historic permit data was available, projections of future dredging needs were made in the absence of response for a facility. Projections were made using historic dredging cycles and amounts. The DAMOS database was used as a source for this information; however, very few facilities had sufficient data available to make projections. Historic records of dredging for the federal navigation projects were used to project dredging needs for those channels. The list of federal projects and projections for future dredging are given in Appendix F.

Dredging Centers - The determination of dredging centers was based on geographic location and logical points of origin for trips to LIS aquatic disposal locations. The dredging needs study area, described in Section 2.1, was broken down into 28 dredging centers and displayed on Figure 2. On Figure 2, each dredging center is represented by a pie chart whose size is relatively proportional to the total volumes of maintenance dredged material projected for the next twenty years. Each pie chart is further defined by the percent of volumes from federal navigation channels (in dark purple) and non-federal facilities (in light purple). The following sections describe each dredging center, major landmarks and features contained therein, and a summary of future dredging needs for each center. The dredging centers are listed in order starting at the East River, proceeding easterly across Long Island, NY, then to Point Judith, then westerly along the Connecticut shoreline and the Westchester County, NY shoreline to the East River. Unless otherwise noted in the text, all dredging needs described are for maintenance material. Very few

FIGURE 2 MAINTENANCE DREDGING NEEDS – DREDGING CENTER STATISTICS

respondents indicated needs for improvement dredging. The landmarks and features described may be found on navigation charts and on the maps included in Appendix D. In cases where projections were possible, they are listed. Otherwise the dredging needs were taken from responses to the survey.

The report on the economic significance of navigation-dependent industries utilizes a less detailed study area classification than the dredging centers used in this report. For reference, the following table shows the two study area delineations:

<u>ECONOMIC SIGNIFICANCE AREA</u>	<u>DREDGING CENTER</u>
Bronx/Queens Co., NY	Mamaroneck/New Rochelle Area* Eastchester Bay Area* East River Area Manhasset and Little Neck Bays*
Nassau Co., NY	Manhasset and Little Neck Bays* Hempstead Harbor Area Oyster Bay/Cold Spring Harbor Area*
Suffolk Co., NY	Oyster Bay/Cold Spring Harbor Area* Huntington & Northport Bay Area Smithtown Bay/Stony Brook Port Jefferson/Mount Sinai Suffolk County Beach Area Great and Little Peconic Bays Shelter Island/Gardiners Bay Montauk Fishers Island
Rhode Island	Point Judith/Block Island Area*
Eastern Connecticut	Point Judith/Block Island Area* Fishers Island Sound/Little Narragansett Bay Area New London Area Niantic Area

Connecticut River Area*

Central Connecticut

Connecticut River Area*

Guilford/Branford Area

New Haven Area

Housatonic River/Milford Area*

Western Connecticut

Housatonic River/Milford Area*

Norwalk Area

Stamford Area

Greenwich Area

Westchester Co., NY

Port Chester/Rye Area

Mamaroneck/New Rochelle Area*

Eastchester Bay Area*

* Indicates that dredging center spans more than one area.

3.1 EAST RIVER AREA

This center includes all of Queens and Bronx counties NY in the East River up to Throgs Neck. This center includes the Westchester Creek and Flushing Bay federal projects. About one half of the large number of facilities in this center are deep draft. Facilities that did respond indicate little dredging needs for the future. Most of the facilities are located on the East River which is a naturally deep waterway. Because most of the facilities are located on the East River any projections would likely result in low amounts for this dredging center. One respondent indicated future improvement dredging needs (102,000 cubic yards).

	Facilities Surveyed	Responses Received	Maintenance Dredging Needs (cubic yards)				
			2001- 2005	2006 - 2010	2011 - 2015	2016 - 2020	20-Year Totals
Federal Navigation Projects			472,800	595,600	365,300	365,300	1,799,900
Other Facilities	80	19	284,100	177,000	133,000	33,000	627,100
TOTALS			756,900	772,600	498,300	365,300	2,426,100

3.2 MANHASSET AND LITTLE NECK BAYS

This center includes the New York shoreline from Throgs Neck Bridge to Sands Point on Manhasset Neck. This area includes the Little Neck Bay and Manhasset Bay federal projects and the communities of Bayside, Great Neck, Kings Point, Port Washington, and Manhasset, NY. This center had a very good response rate. Neither of the two deep draft facilities located in this area responded to the survey. Manhasset Bay Protection Committee, an inter-municipal group of eleven villages, Town of North Hempstead, and Nassau County is completing a report on Manhasset Harbor and provided preliminary estimates of future dredging volumes for town and some private facilities. The high volume estimates for this center come from these planning level estimates. Three facilities indicated future improvement dredging needs totaling 163,000 cubic yards.

	Facilities Surveyed	Responses Received	Maintenance Dredging Needs (cubic yards)				
			2001 - 2005	2006 - 2010	2011 - 2015	2016 - 2020	20-Year Totals
Federal Navigation Projects			-	-	-	-	-
Other Facilities	38	15	1,159,000	1,019,000	271,000	195,000	2,644,000
TOTALS			1,159,000	1,019,000	271,000	195,000	2,644,000

3.3 HEMPSTEAD HARBOR AREA

This center includes the New York shoreline from Sands Point on Manhasset Neck through Hempstead Harbor to Matinecock Pt. This area includes the Hempstead Harbor, Glen Cove Creek and Glen Cove Harbor Federal projects and the communities of Roslyn, Port Washington Glen Cove and Sea Cliff, NY. Only one response was received that indicated dredging needs. In the past this facility used the WLIS disposal site. Only one of the eleven deep draft facilities responded but did not indicate any future dredging volumes. None of the respondents indicated a future improvement dredging need.

	Facilities Surveyed	Responses Received	Maintenance Dredging Needs (cubic yards)				
			2001 - 2005	2006 - 2010	2011 - 2015	2016 - 2020	20-Year Totals
Federal Navigation Projects			58,700	73,100	-	39,700	171,500
Other Facilities	23	4	25,000	25,000	15,000	15,000	80,000
TOTALS			83,700	98,100	15,000	54,700	251,500

3.4 OYSTER BAY/COLD SPRING HARBOR AREA

This center includes the New York shoreline from Matinecock Point through Oyster Bay and Cold Spring Harbor to Lloyd Point on Lloyd Neck. There are no active federal projects in this area. This area includes the communities of Bayville, Oyster Bay and Cold Spring Harbor. Facilities in this center are located within Cold Spring Harbor and Oyster Bay Harbor. Only one response indicated past disposal sites which was the Atlantic Ocean. All responding facilities are located in Oyster Bay Harbor. There are six deep

draft facilities, of which one responded. One respondent indicated a future improvement dredging need of 4,000 cubic yards.

	Facilities Surveyed	Responses Received	Maintenance Dredging Needs (cubic yards)				
			2001- 2005	2006 - 2010	2011 - 2015	2016 - 2020	20-Year Totals
Federal Navigation Projects			-	-	-	-	-
Other Facilities	17	4	7,300	7,600	34,000	7,300	56,200
TOTALS			7,300	7,600	34,000	7,300	56,200

3.5 HUNTINGTON & NORTHPORT BAY AREA

This center includes the New York shoreline from Lloyd Point through Huntington Bay and Northport Harbor to Eatons Neck Point. This area includes the Huntington Bay and Northport Harbor Federal projects and the communities of Eatons Neck, Huntington and Northport, NY. All but one facility on Eaton's Neck are located within Huntington or Northport Harbors. The response rate was relatively high for this area. Those who indicated past disposal used upland sites. There are two deep draft facilities identified in this center, and both responded to the survey. Both federal navigation projects (Huntington Harbor and Northport Harbor) have had not been dredged since construction in 1940 and 1956 respectively. One respondent indicated a future improvement dredging need of 95,000 cubic yards.

	Facilities Surveyed	Responses Received	Maintenance Dredging Needs (cubic yards)				
			2001- 2005	2006 - 2010	2011 - 2015	2016 - 2020	20-Year Totals
Federal Navigation Projects			-	-	-	-	-
Other Facilities	35	13	184,500	8,500	8,500	230,400	431,900
TOTALS			184,500	8,500	8,500	230,400	431,900

3.6 SMITHTOWN BAY/STONY BROOK

This center includes the New York shoreline from Eatons Neck Point, Nissequogue River and Stony Brook Harbor to Old Field Point on Crane Neck. There are no active federal projects in this area. This area includes the communities of Nissequogue, Smithtown, St. James, Northport and Stony Brook, NY. All but one facility is located in Stony Brook Harbor. The other is located in Nissequogue River. None of the facilities responded to the survey. There are no deep draft facilities located in this center. One of those contacted by phone indicated no plans to dredge.

	Facilities Surveyed	Responses Received	Maintenance Dredging Needs (cubic yards)				
			2001- 2005	2006 - 2010	2011 - 2015	2016 - 2020	20-Year Totals
Federal Navigation Projects							
Non-Federal Facilities	10	2	66,000	155,300	77,000	78,300	376,600
TOTALS			66,000	155,300	77,000	78,300	376,600

3.7 PORT JEFFERSON/MOUNT SINAI

This center includes the New York shoreline that begins at Old Field Point on Crane Neck through Port Jefferson and Mount Sinai Harbors and ends at Cedar Beach just east of the entrance to Mount Sinai Harbor. This area includes the Port Jefferson Harbor federal project and the communities of Port Jefferson, East Setauket and Mt. Sinai, NY. All facilities are located in either the Port Jefferson or Mount Sinai Harbors. Only one response indicated future dredging needs and would likely use on-site disposal as used in the past. There are eight deep draft facilities identified in this center. None of these responded to the survey. The Port Jefferson federal navigation project has not been dredged since its completion in 1903. One respondent indicated a future improvement dredging need (150 cubic yards).

	Facilities Surveyed	Responses Received	Maintenance Dredging Needs (cubic yards)				
			2001- 2005	2006 - 2010	2011 - 2015	2016 - 2020	20-Year Totals
Federal Navigation Projects			-	-	-	-	-
Other Facilities	21	3	100	-	110,000	-	110,100
TOTALS			100	-	110,000	-	110,100

3.8 SUFFOLK COUNTY BEACH AREA

This center includes the New York shoreline from Cedar Beach to Orient Point. The center is primarily an exposed beach area and does not include any federal navigation projects. This center includes only two facilities, one in Northville and one in Shoreham. Neither of these deep draft facilities responded. In the absence of responses or any other information regarding dredging in this area, no dredging needs are identified for this area.

	Facilities Surveyed	Responses Received	Maintenance Dredging Needs (cubic yards)				
			2001- 2005	2006 - 2010	2011 - 2015	2016 - 2020	20-Year Totals
Federal Navigation Projects			-	-	-	-	-
Other Facilities	2	0	0	0	0	0	-
TOTALS			0	0	0	0	0

3.9 GREAT AND LITTLE PECONIC BAYS

This center includes the New York shoreline around the great Peconic Bay and the Little Peconic Bay from Great Hog Neck in Southold to Jessup Neck in Southampton. This area includes the Mattituck Harbor federal project and the communities of Aquebogue, Cutchogue, Hampton Bays, Peconic, Southold, Mattituck, Riverhead and Southampton, NY. The facilities in this center are concentrated in the many harbors and bays such as Mattituck Harbor, Flanders Bay, Shinnecook Canal, Cutchogue Harbor and North Sea Harbor. Most of those who responded indicated that upland disposal was used in the past. There is only one deep draft facility, which did not respond. Two respondents indicated future improvement dredging needs totaling 3,700 cubic yards.

	Facilities Surveyed	Responses Received	Maintenance Dredging Needs (cubic yards)				20-Year Totals
			2001- 2005	2006 - 2010	2011 - 2015	2016 - 2020	
Federal Navigation Projects			26,400	26,400	-	38,400	91,200
Other Facilities	40	11	4,500	6,800	1,000	1,800	14,100
TOTALS			30,900	33,200	1,000	40,200	105,300

3.10 SHELTER ISLAND/GARDINERS BAY

This center includes the New York shoreline from Orient Point to Great Hog Neck across to Jessup Neck then to Lionhead Rock and Shelter Island. This area includes the Greenport Harbor federal project, Orient and Northwest Harbors, Shelter Sound, Southold and Noyack Bays and the communities of East Hampton, Greenport, Orient, Southold, Shelter Island and Sag Harbor, NY. The facilities are scattered throughout this area. Most of those who responded indicated that upland disposal was used in the past. There are six deep draft facilities identified in this center, none of which responded to the survey. The Greenport Harbor navigation project has not had maintenance dredging since 1939. Three respondents indicated a future improvement dredging need totaling 15,100 cubic yards.

	Facilities Surveyed	Responses Received	Maintenance Dredging Needs (cubic yards)				20-Year Totals
			2001- 2005	2006 - 2010	2011 - 2015	2016 - 2020	
Federal Navigation Projects			-	-	-	-	-
Other Facilities	75	21	14,300	30,100	16,600	19,600	80,600
TOTALS			14,300	30,100	16,600	19,600	80,600

3.11 MONTAUK

This center includes the New York shoreline along the north shore of the Montauk peninsula from Lionhead Rock through Napeague Bay and Lake Montauk to Montauk Point. This area includes the Lake Montauk federal project, Gardiners Island and the community of Montauk, NY. All facilities in this center

are located in Lake Montauk. Those who responded indicated that upland disposal was used in the past. There are no deep draft facilities identified in this center. No respondents indicated future improvement dredging needs.

	Facilities Surveyed	Responses Received	Maintenance Dredging Needs (cubic yards)				
			2001 - 2005	2006 - 2010	2011 - 2015	2016 - 2020	20-Year Totals
Federal Navigation Projects			-	81,000	-	81,000	162,000
Other Facilities	18	4	7,000	7,000	7,000	7,000	28,000
TOTALS			7,000	88,000	7,000	88,000	190,000

3.12 POINT JUDITH/ BLOCK ISLAND AREA

This center includes the Rhode Island shoreline from Point Judith through the Point Judith Harbor of Refuge and all of Point Judith Pond to Watch Hill Point. This area includes the Point Judith Harbor and Pond federal projects and the communities of Block Island, (New Shoreham), Charlestown, Narragansett, South Kingstown, Wakefield and West Kingstown, RI. Respondents indicated that upland disposal was used in the past. There are only a few deep draft facilities in this center. One respondent indicated a future improvement dredging need (10,000 cubic yards).

	Facilities Surveyed	Responses Received	Maintenance Dredging Needs (cubic yards)				
			2001 - 2005	2006 - 2010	2011 - 2015	2016 - 2020	20-Year Totals
Federal Navigation Projects			136,500	182,000	45,500	45,500	409,500
Other Facilities	50	10	24,000	500	-	2,000	26,500
TOTALS			160,500	182,500	45,500	47,500	436,000

3.13 FISHERS ISLAND

This center includes all of Fishers Island, NY including the Hay (West) Harbor federal project. Respondents did not indicate past disposal sites. Only three facilities were identified for this center, one of which is a deep draft facility. No respondents indicated future improvement dredging needs.

	Facilities Surveyed	Responses Received	Maintenance Dredging Needs (cubic yards)				
			2001 - 2005	2006 - 2010	2011 - 2015	2016 - 2020	20-Year Totals
Federal Navigation Projects			-	-	-	-	-
Other Facilities	3	2	200	200	200	200	800
TOTALS			200	200	200	200	800

3.14 FISHERS ISLAND SOUND/LITTLE NARRAGANSETT BAY AREA

This center includes the Rhode Island shoreline from Watch Hill Point through the Pawcatuck River and Narragansett Bay, and the Connecticut shoreline from Stonington and Mystic harbors to Mumford Point. This area includes the Little Narragansett Bay and Pawcatuck River, Stonington Harbor and Mystic Harbor federal projects. This area also includes the communities of Watch Hill and Westerly RI, and Pawcatuck, Stonington, Mystic and Noank, CT. The majority of respondents indicated that upland disposal was used in the past. There are no deep draft facilities identified in this center. Nine respondents indicated future improvement dredging needs totaling 80,500 cubic yards.

	Facilities Surveyed	Responses Received	Maintenance Dredging Needs (cubic yards)				
			2001- 2005	2006 - 2010	2011 - 2015	2016 - 2020	20-Year Totals
Federal Navigation Projects			-	167,000	-	30,000	197,000
Other Facilities	75	22	40,400	60,200	34,800	37,600	173,000
TOTALS			40,400	227,200	34,800	67,600	370,000

3.15 NEW LONDON AREA

This center includes the Connecticut shoreline from Mumford Point through New London Harbor to Goshen Point. This area includes the New London Harbor and Thames River (Groton to Norwich) federal projects and the communities of New London, Groton, Uncasville, Thamesville, Ledyard, Lyme, and Norwich, CT. Those who responded indicated that upland disposal and disposal in LIS was used in the past. There are twenty deep draft facilities identified in this center. Two respondents, including the U.S. Naval Submarine Base, indicated future improvement dredging needs totaling 204,000 cubic yards.

	Facilities Surveyed	Responses Received	Maintenance Dredging Needs (cubic yards)				
			2001- 2005	2006 - 2010	2011 - 2015	2016 - 2020	20-Year Totals
Federal Navigation Projects			679,900	679,900	-	646,200	2,006,000
Other Facilities	59	26	118,400	119,500	61,500	21,500	320,900
Projection			-	11,800	60,000	11,800	83,600
TOTALS			798,300	811,200	121,500	679,500	2,410,500

3.16 NIANITIC AREA

This center includes the Connecticut shoreline from Goshen Point through Niantic Bay to Hatchett Point. This area includes the Niantic Bay (East Lyme & Waterford) federal project and the communities of East Lyme, Waterford and Niantic, CT. Those who responded indicated that upland disposal was used in the

past. There are no deep draft facilities identified in this center. None of the respondents indicated the need for future improvement dredging.

	Facilities Surveyed	Responses Received	Maintenance Dredging Needs (cubic yards)				
			2001 - 2005	2006 - 2010	2011 - 2015	2016 - 2020	20-Year Totals
Federal Navigation Projects (no maintenance records)			-	-	-	-	-
Other Facilities	11	5	8,500	2,350	5,350	350	16,550
TOTALS			8,500	2,350	5,350	350	16,550

3.17 CONNECTICUT RIVER AREA

This center includes the Connecticut shoreline from Hatchett Point to Cornfield Point and the Connecticut River up to Hartford. This area includes the Connecticut River below Hartford, Eightmile River, Wethersfield Cove and the North Cove, Old Saybrook federal projects and all the communities from the mouth of the Connecticut River up to Hartford. Approximately one half of the respondents indicated that upland disposal was used in the past, while the other half indicated that disposal in LIS was used in the past. There are approximately twenty-four deep draft facilities identified in this center. Two respondents indicated a future improvement dredging need totaling 120,000 cubic yards.

	Facilities Surveyed	Responses Received	Maintenance Dredging Needs (cubic yards)				
			2001 - 2005	2006 - 2010	2011 - 2015	2016 - 2020	20-Year Totals
Federal Navigation Projects			1,610,000	1,180,000	1,030,000	618,400	4,438,400
Other Facilities	88	35	111,600	116,300	110,300	66,000	404,200
TOTALS			1,721,600	1,296,300	1,140,300	684,400	4,842,600

3.18 CLINTON/WESTBROOK AREA

This center includes the Connecticut shoreline from Cornfield Point through Westbrook Harbor, Duck Island Roads, and Clinton Harbor to Hammonasset Point. This area includes the Patchogue River, Duck Island Harbor and Clinton Harbor federal projects and the communities of Westbrook and Clinton, CT. Approximately one half of the respondents indicated that upland disposal was used in the past, while the other half indicated that disposal in LIS was used in the past. There are no deep draft facilities identified in this center. One respondent indicated a future improvement dredging need totaling 19,000 cubic yards.

	Facilities Surveyed	Responses Received	2001 - 2005	2006 - 2010	2011 - 2015	2016 - 2020	20-Year Totals
Federal Navigation Projects			80,200	1,451,400	33,200	70,600	1,635,400
Other Facilities	35	9	159,200	173,200	454,200	328,200	1,114,800
Projection			31,400	32,500	51,400	72,500	187,800
TOTALS			270,800	1,657,100	538,800	471,300	2,938,000

3.19 GUILFORD/BRANFORD AREA

This center includes the Connecticut shoreline from Hammonasset Point through Guilford Harbor, Stoney Creek, and Branford Harbor to Mansfield Point. This area includes the Guilford Harbor and Stoney Creek, and Branford Harbor federal projects and the communities of Guilford, Branford, and Madison, CT. Respondents indicated that disposal in LIS was used in the past. There is one deep draft facility identified in this center. Two respondents indicated a future improvement dredging need totaling 18,500 cubic yards.

	Facilities Surveyed	Responses Received	Maintenance Dredging Needs (cubic yards)				
			2001 - 2005	2006 - 2010	2011 - 2015	2016 - 2020	20-Year Totals
Federal Navigation Projects			121,200	89,900	64,000	153,900	429,000
Other Facilities	32	10	80,000	69,000	62,000	146,000	357,000
Projection			95,800	95,800	95,800	95,800	383,200
TOTALS			297,000	254,700	221,800	395,700	1,169,200

3.20 NEW HAVEN AREA

This center includes the Connecticut shoreline from Mansfield Point through New Haven Harbor to Pond Point, Milford, CT. This area includes the New Haven (New Haven and East Haven) Harbor and New Haven West River federal projects and the communities of East Haven, New Haven and West Haven CT. Respondents indicated that disposal in LIS was used in the past. There are approximately seventeen deep draft facilities identified in this center. Two respondents indicated a future improvement dredging need totaling 43,000 cubic yards.

	Facilities Surveyed	Responses Received	Maintenance Dredging Needs (cubic yards)				
			2001 - 2005	2006 - 2010	2011 - 2015	2016 - 2020	20-Year Totals
Federal Navigation Projects			515,300	1,084,700	-	748,000	2,348,000
Other Facilities	33	12	104,500	121,500	100,000	142,000	468,000
TOTALS			619,800	1,206,200	100,000	890,000	2,816,000

3.21 HOUSATONIC RIVER/MILFORD AREA

This center includes the Connecticut shoreline from Pond Point through Milford Harbor and the mouth of the Housatonic River to Stratford Point. This area also includes the Housatonic River, Stratford to Derby, CT and the Milford Harbor federal projects. The communities included in this area are Milford and Derby, Shelton and Stratford, CT. Respondents indicated that disposal in LIS was used in the past. Projections

were made for future dredging of three non-federal facilities. There are three deep draft facilities identified in this center. One respondent indicated a future improvement dredging need of 43,000 cubic yards.

	Facilities Surveyed	Responses Received	Maintenance Dredging Needs (cubic yards)				20-Year Totals
			2001- 2005	2006 - 2010	2011 - 2015	2016 - 2020	
Federal Navigation Projects			479,900	479,900	-	313,800	1,273,600
Other Facilities	33	5	27,500	20,000	15,000	-	62,500
Projection			21,000	68,600	21,000	68,600	179,200
TOTALS			528,400	568,500	36,000	382,400	1,515,300

3.22 BRIDGEPORT AREA

This center includes the Connecticut shoreline from Stratford Point through Bridgeport and Black Rock harbors to Pine Creek Point. This area includes the Bridgeport Harbor and Black Rock Harbor federal projects and the communities of Bridgeport and Fairfield CT. About one third of the facilities in this area are deep draft. The return rate for the survey was relatively high. Six respondents indicated a future improvement dredging need totaling 374,000 cubic yards.

	Facilities Surveyed	Responses Received	Maintenance Dredging Needs (cubic yards)				20-Year Totals
			2001- 2005	2006 - 2010	2011 - 2015	2016 - 2020	
Federal Navigation Projects			3,309,500	1,003,000	753,000	417,800	5,483,300
Other Facilities	33	13	76,500	10,000	30,000	-	116,500
TOTALS			3,386,000	1,013,000	783,000	417,800	5,599,800

3.23 NORWALK AREA

This center includes the Connecticut shoreline from Pine Creek Point through Norwalk Harbor to Long Neck Point. This area includes the Westport and Saugatuck River, Norwalk Harbor, Wilson Point, and Fivemile River and Southport Harbor federal projects and the communities of Norwalk and Darien CT. There are a large number of facilities, none of which are deep draft, located throughout this extensive dredging center. Projections were made for one facility. Two respondents indicated a future improvement dredging need totaling 23,000 cubic yards.

	Facilities Surveyed	Responses Received	Maintenance Dredging Needs (cubic yards)				20-Year Totals
			2001- 2005	2006 - 2010	2011 - 2015	2016 - 2020	
Federal Navigation Projects			433,200	455,100	31,700	145,500	1,065,500
Other Facilities:	67	14	56,700	100	14,100	10,100	81,000
Projection			-	4,000	-	-	4,000
TOTALS			489,900	459,200	45,800	155,600	1,150,500

3.24 STAMFORD AREA

This center includes the Connecticut shoreline from Long Neck Point through Westcott Cove and Stamford Harbor to Greenwich Point. This area includes the Westcott Cove and Stamford Harbor federal projects and the city of Stamford, CT. Most of the facilities are located in Stamford Harbor. There are no deep draft facilities in this dredging center. One respondent indicated a future improvement dredging need of 45,000 cubic yards.

	Facilities Surveyed	Responses Received	Maintenance Dredging Needs (cubic yards)				20-Year Totals
			2001- 2005	2006 - 2010	2011 - 2015	2016 - 2020	
Federal Navigation Projects			72,800	72,800	-	95,500	241,100
Other Facilities	28	4	50,000	50,000	50,000	50,000	200,000
TOTALS			122,800	122,800	50,000	145,500	441,100

3.25 GREENWICH AREA

This center includes the Connecticut shoreline from Greenwich Point through the Mianus River across Cos Cob and Greenwich harbors to the Connecticut/New York Line. This area includes the Mianus River (Cos Cob Harbor) and Greenwich Harbor federal projects, the City of Greenwich, CT and the community of Cos Cob, CT. There is only one deep draft facility in this small dredging center. Historic permit data allowed for projecting the dredging needs for two facilities that did not respond. None of the respondents indicated a need for future improvement dredging.

	Facilities Surveyed	Responses Received	Maintenance Dredging Needs (cubic yards)				20-Year Totals
			2001- 2005	2006 - 2010	2011 - 2015	2016 - 2020	
Federal Navigation Projects			121,900	71,900	-	65,400	259,200
Other Facilities:	19	5	50,000	30,000	-	-	80,000
Projections			13,600	13,600	11,800	13,600	52,600
TOTALS			185,500	115,500	11,800	79,000	391,800

3.26 PORT CHESTER/RYE AREA

This center includes the New York shoreline from the Connecticut/New York line through Port Chester Harbor to a point opposite Transport Rock in Rye, NY. This area includes the Port Chester & Byram River federal project and the communities of Port Chester and Rye, NY. This relatively small dredging center borders on the Connecticut state line. None of the five deep draft facilities responded. The non-federal volumes are based on only two of the three responses. One respondent indicated a future improvement dredging need of 50,000 cubic yards.

	Facilities Surveyed	Responses Received	Maintenance Dredging Needs (cubic yards)				
			2001- 2005	2006 - 2010	2011 - 2015	2016 - 2020	20-Year Totals
Federal Navigation Projects			34,700	34,700	37,800	37,800	145,000
Other Facilities	13	3	38,000	25,000	45,000	30,000	138,000
Projections			-	10,000	-	10,000	20,000
TOTALS			72,700	69,700	82,800	77,800	303,000

3.27 MAMARONECK/NEW ROCHELLE AREA

This center includes the New York shoreline from the point opposite Transport Rock through Milton Harbor, Mamaroneck Harbor, Echo Bay and New Rochelle Harbor to the bridge access to City Island (does not include City Island). This area includes the Milton Harbor, Mamaroneck Harbor, New Rochelle Harbor, Echo Bay and Larchmont Harbor federal projects and the communities of Mamaroneck, Larchmont, New Rochelle, and Pelham Manor, NY. Only a small number of deep draft facilities are located in this area. There are a high number of responses with future dredging needs indicated. One projection was made using historic permit data. Most of those facilities who did not respond appear to be small and would likely not add significant amounts to future dredging needs. Three respondents indicated future improvement dredging needs totaling 33,000 cubic yards.

	Facilities Surveyed	Responses Received	Maintenance Dredging Needs (cubic yards)				
			2001- 2005	2006 - 2010	2011 - 2015	2016 - 2020	20-Year Totals
Federal Navigation Projects			96,800	103,800	72,000	151,000	423,600
Other Facilities:	51	18	67,000	31,000	28,000	91,000	217,000
Projection			-	-	44,000	-	44,000
TOTALS			163,800	134,800	144,000	242,000	684,600

3.28 EASTCHESTER BAY AREA

This center includes the New York shoreline from the bridge access to City Island around City Island through Eastchester Bay to Throgs Neck. This area includes the Eastchester Creek federal project and the communities of Mt. Vernon, Eastchester, and City Island, NY. Almost one-half of the facilities in this area are deep draft. None of the respondents indicated plans for future dredging.

	Facilities Surveyed	Responses Received	Maintenance Dredging Needs (cubic yards)				
			2001- 2005	2006 - 2010	2011 - 2015	2016 - 2020	20-Year Totals
Federal Navigation Projects			60,000	120,000	-	60,000	240,000
Other Facilities	20	2	-	-	-	-	-
TOTALS			60,000	120,000	-	60,000	240,000

4.0 SUMMARY

The future dredging needs described in this report are based on a survey of 1009 navigation-dependent facilities. The responses to the survey totaled 292 resulting in a response rate of 29%.

The total 20-year dredging needs for maintenance material for the entire study area is 32,000,000 cubic yards broken down as follows:

Category	Maintenance Volume (cy)
Federal Navigation Channels	22,800,000
Other Facilities	9,200,000
TOTAL	32,000,000

The dredging needs for the study area, broken down to five-year increments for both maintenance and improvement material is as follows:

Period	Maintenance (cy)	Improvement (cy)
2001-2005	11,200,000	520,000
2006-2010	10,500,000	484,000
2011-2015	4,400,000	117,500
2016-2020	5,900,000	173,500
TOTAL	32,000,000	1,295,000

This breakdown shows a significant amount of need during the first two periods compared to the last two periods. This balance is due primarily to assumptions made for the federal navigation projects (see Appendix F). The average maintenance need would be approximately 1,600,000 cubic yards per year.

Figure 2 and the dredging center summaries in Section 3 highlight significant differences between those centers along the north shoreline of Long Island Sound (Rhode Island, Connecticut and Westchester Co., NY) and the south shoreline (Long Island). The relative volumes of maintenance material is dominated by the federal navigation projects. Along the north shoreline the number and size of federal projects is significantly greater than those along the south shoreline. Also, many of the northern harbors receive sediments from major rivers not found along the Long Island side.

The modest return rate for the survey is probably due to several reasons. Some facilities and representatives of cooperating groups indicated that the summer is the busiest time of year for most of the facilities surveyed. As indicated in Section 2.5, the initial mailing was the week before Memorial Day. In order to meet reporting deadlines, the survey was ended on September 3, the end of the busiest season. Between September 3 and October 5, twenty-one responses were received. A common reason for the deep draft facilities, less affected by the season, was vacation schedules for key people who could provide responses to the business and engineering related questions. Responses from the municipalities were slow, or not provided in time, because they had to coordinate among boards/commissions. To some degree, another factor was the public perception that the EIS study was slowing down due to funding constraints lessening the urgency or importance of this task.

While this report focuses on dredging needs, the responses to the questionnaire included much more information about each facility. While it is beyond the scope of this report to present this information, there are a few comments worth noting here. A large percentage of survey respondents expressed concern over the lack of Federal channel maintenance and questioned the value of maintaining or improving their facilities if vessel access was limited by shallow Federal channels. Another common concern was the potentially high cost of dredging and the impact of costs on their business. The information on future dredging needs and the geographic dredging centers will be useful in siting potential disposal sites for cost reduction.

APPENDIX A

FACILITY DATABASE FIELDS

Navigation-Dependent Facilities Listing
Long Island Sound EIS Study Area

Current Facility Data Fields

(in alphabetical order)

Shaded fields imported from Corps' Port Series but not needed for this study.

Field Name	Description	Question Number in Questionnaire	Corps Database Field Name Equivalent	Corps Database Field Description
Additional Comments		end		
Address	Street address of facility	1	ADDRESS	Street address for wharf location
Bank	Bank of river for facility location (left or right)		BANK	Bank of river for wharf location (left or right)
Berth Depth	Depth for up to 6 berths	9		
Berth Length	Length for up to 6 berths	9		
Berth Width	Width for up to 6 berths	9		
COMMCD1,2,3,4			COMMCD1,2,3,4	Commodity code for commodities handled at wharf
CoordsLat	Latitude in degrees, minutes, seconds	3		
CoordsLong	Longitude in degrees, minutes, seconds	3		
County	County for facility location	1	COUNTY	County for wharf location
DataSource	Source(s) of data used			
DATUM			DATUM	Depth/height datum used
Deepest Vessel		10		
DEPTH1,1A,2,2A,3,3A	Depths as used in Corps database or dockside depth from other sources		DEPTH1,1A,2,2A,3,3A	Depth alongside wharf's operational elements being described (2 depths for each element)
DOCKCD			DOCKCD	A locational code designating where a dock is located generated by WCSC
Dredging Cost Comments		23		
Dredging Cost Unaffordable		23		
Employees Full Time		8		
Employees Part Time		8		
FacilityName	Name of facility (Business Name)	1	NAME	Name of Wharf
Fax	Phone (Fax) of contact person		FAX	Fax number of facility operator or contact person
Finacial Impact 10Yr		24		
Financial Impact 15Yr		24		
Financial Impact 20Yr		24		
Financial Impact 5Yr		24		
Financial Impact Comments		24		
Financial Impact Units	\$'s or %	24		
FirstName	First name of contact person	2	FNAME	First name of contact person

Field Name	Description	Question Number in Questionnaire	Corps Database Field Name Equivalent	Corps Database Field Description
Frequent Dredging		15		
Improvement 10Yr		22		
Improvement 15Yr		22		
Improvement 20Yr		22		
Improvement 5Yr		22		
Last Dredging Date		16		
Last Dredging Disposal Site		16		
Last Dredging Quantity		16		
Last Dredging Total Cost		16		
Last Dredging Unit Cost		16		
LastName	Last name of contact person	2	LNAME	Last name of contact person
Latitude	Facility location latitude: Decimal	3	LATITUDE	Wharf location latitude: Decimal
LOC_CD			LOC_CD	A locational code generated by Waterborne Commerce Statistics Center (WCSC)
LocationDescription	Directions to facility		LOCATION	Location of Wharf on wharf waterway or in port
Longitude	Facility location longitude: Decimal	3	LONGITUDE	Wharf location longitude: Decimal
Mailing List Address		25		
Mailing List for EIS Info		25		
Mailing List Name		25		
Mailing List State		25		
Mailing List Town		25		
Mailing List Zip		25		
Maintenance 10Yr		21		
Maintenance 15Yr		21		
Maintenance 20Yr		21		
Maintenance 5Yr		21		
MAPNO			MAPNO	Port Series Report Map No.
Mile	Waterway mile of facility location above or below a datum point (use Corps' river miles)	5	MILE	Waterway mile of wharf location above or below a datum point
Nature Building	Nature of business with SIC code	5		
Nature Cargo	Nature of business with SIC code	5		
Nature Equipment	Nature of business with SIC code	5		
Nature Finfish	Nature of business with SIC code	5		
Nature Fishing	Nature of business with SIC code	5		
Nature Freight	Nature of business with SIC code	5		
Nature Marinas	Nature of business with SIC code	5		

Field Name	Description	Question Number in Questionnaire	Corps Database Field Name Equivalent	Corps Database Field Description
Nature Other	Nature of business with SIC code	5		
Nature Other Details	Nature of business with SIC code	5		
Nature Passengers	Nature of business with SIC code	5		
Nature Shellfish	Nature of business with SIC code	5		
Nature Towing	Nature of business with SIC code	5		
NDCCODE			NDCCODE	Internal code generated by the Navigational Data Center for data integration and system interoperability purpose
Number Moorings		11		
Number Power		12		
Number Sail		12		
OLDPWD			OLDPWD	Pier, wharf or dock record sequence number from previous edition of Port Series report.
Operator	Facility Operator (firm)	6	OP1	Operator of wharf
Operator Address		6		
Operator Email		6		
Operator Phone		6		
Operator State		6		
Operator Town		6		
Operator Zip		6		
Owner	Facility Owner (firm)	7	OWNER	Owner of wharf
Owner Address		7		
Owner Email		7		
Owner Phone		7		
Owner Town		7		
Owner Zip		7		
Ownership Status	Public or Private?	4		
Phone	Phone (voice) of contact person			Telephone number of facility operator or contact person
Planned Dredging		17		
Planned Dredging Type		20		
Port			PORT	Port name
PORTSER			PORTSER	Port Series report No. (one of 57) (hard copy)
Purpose	Nature of business. May have more than one		PURPOSE	Purpose for which wharf is used, including commodities handled and/or services performed

Field Name	Description	Question Number in Questionnaire	Corps Database Field Name Equivalent	Corps Database Field Description
PWDNO			PWDNO	Pier, wharf or dock record sequence number from current edition of Port Series report.
REMARK1,2,3,4,5			REMARK1,2,3,4,5	Remarks, including description of wharf-related storage facilities and their operators
RWYCONN			RWYCONN	Railway connections serving port facility
SEQ_NO			SEQ_NO	A unique number (within each Port Series Number) that is generated
Service Electricity	List of services provided by facility	14		
Service Fuel	List of services provided by facility	14		
Service other	List of services provided by facility	14		
Service Other Details	List of services provided by facility	14		
Service Pumpout	List of services provided by facility	14		
Service Water	List of services provided by facility	14		
State	State for facility location	1	STATE	State for wharf location
Status	Enter Info. (no response to questionnaire or Complete (data entered)			
Survey Contact Name	Point of contact for questionnaire			
Survey Contact Phone	Point of contact for questionnaire			
Survey Contact Title	Point of contact for questionnaire			
TBIRTH1,2,3			TBIRTH1,2,3	Berthing distance of wharf's operational elements
Town	Locality or common name for facility location	1	TOWN	Locality or common name for wharf location
Waterway	Waterway on which facility is located		WATERWAY	Waterway on which wharf is located
YEAR			YEAR	Year of last survey
ZIP	Zip code for facility location	1		

APPENDIX B

NAVIGATION-DEPENDENT FACILITIES SUMMARY LIST

LIS Dredged Material Disposal EIS Economic Survey Database

Navigation Dependent Facilities - Status of Surveys as of September 30, 2001

CT

Town, County Facility Name		Address	Status
Branford, New Haven			
366	Branford Landing	50 Maple St, PO Box 447	Complete
367	Branford Marine Railway	1 Indian Neck Av	Complete
369	Branford Town Dock	1019 Main Street	Complete
392	Bruce & Johnson's Marina Inc	145 S Montowese St - PO Box 253	Complete
461	Dutch Wharf Boat Yard & Marina	70 Maple St	Complete
560	Kelsey's Boat Yard	22 Rockland Park	Complete
1417	Stoney Creek Town Dock	Town of Branford 1019 Main Street	Complete
342	B & E Yacht Svc	50 Maple St	Enter info
368	Branford River Marine	5 Ely Steet	Enter info
371	Branford Yacht Club	39 Goodsell Point Rd	Enter info
374	Brewer Yacht Sales	145 S Montowese St	Enter info
503	Goodsell Point Marina	65 Goodsell Point Rd	Enter info
551	Indian Neck Yacht Club	87 Harding Ave	Enter info
662	Pier 66 Marina Inc	51 Goodsell Point Rd	Enter info
666	Pine Orchard Yacht Club	2 Club Pkwy	Enter info
738	Stony Creek Marine & Tackle	4 Indian Point Rd	Enter info
752	Thimble Marine Service	4 Indian Point Rd	Enter info
764	Volsunga IV Thimble Islands Cruise	P.O. Box 3284	Enter info
813	Yale Corinthian Yacht Club	179 Clark Ave	Enter info
Bridgeport, Fairfield			
358	Black Rock Yacht Club	80 Grovers Avenue	Complete
10	Bridgeport United Recycling, Inc., Seaview Marine Terminal	24 Seaview Avenue.	Complete
401	Captain's Cove	1 Bostwick Ave, ATTN: Jan Williams	Complete
409	Cedar Marina Inc	86 Bostwick Ave	Complete
11	Cilco Terminal Co. Wharf	535 Seaview Avenue	Complete
9	Hi-Ho Petroleum, Bridgeport Terminal Wharf	85 Harbor Street	Complete
566	Lou's Boat Basin	365 Seaview Ave	Complete
3	Martin Marietta Magnesia Specialties Inc.	524 Wordin Avenue.	Complete
12	Motiva Enterprises, Bridgeport Terminal Dock	250 Eagles Nest Rd	Complete
653	Pequonnock Yacht Club	66 California St	Complete
386	Tallmadge Brothers Oyster Company	59 Pembroke St	Complete
5	Water Street Dock, Bridgeport Port Authority	330 Water Street	Complete
4	Champion Energy Corp., Bridgeport Terminal Wharf	156 East Washington Avenue.	Enter info
2	Consumers Connecticut Petroleum Wholesalers, Bridgeport Terminal Do	1 Eagles Nest Road.	Enter info
457	Dolphin's Cove Marina	421 Seaview Ave	Enter info
463	East End Yacht Club Inc	104 Bay St	Enter info
481	Fayerweather Boatyard	135 Bywater Ln	Enter info
545	Hitchcock Marine Svc	40 California St	Enter info
7	Inland Fuel Terminals, Bridgeport Wharf	215 Admiral Street.	Enter info

Status: "Complete" - Information received; "Enter Info" - Questionnaire sent but no response; "Resent" - Returned by Post Office/resent to correct mailing address; "Review" - Information received but needs follow-up call; "No Address" - Difficulty finding correct mailing

LIS Dredged Material Disposal EIS Economic Survey Database

Navigation Dependent Facilities - Status of Surveys as of September 30, 2001

CT

Town, County Facility Name		Address	Status
568	M.O.V.E. Yacht Club	67 B California St	Enter info
585	Miamoque Yacht Club	144 Seaview Ave	Enter info
16	O & G Industries Main Wharf	240 Bostwick Avenue.	Enter info
13	O & G Industries, Seaview Avenue Wharf	1121 Seaview Avenue.	Enter info
1	Ocean Fish Co. Pier	70 East Main Street	Enter info
669	Port 5 Naval Veterans Assn.	69 Brewster St.	Enter info
688	Riverside Marine Inc	520 Stratford Ave	Enter info
699	Ryan's Marine Svc	62 Waterview Ave	Enter info
6	The United Illuminating Co., Bridgeport Harbor Station, Coal Dock	10 Henry Street.	Enter info
483	Fayerweather Yacht Club	51 Brewster St , ATTN: Bill Link	Resent
Chester, Middlesex			
417	Chester Marina	61 & 72 Railroad Ave.	Complete
418	Chrisolm Marina	226 Route 154	Complete
541	Hays Haven Marina	59 Railroad Ave	Enter info
587	Middletown Yacht Club	276 Middlesex Ave	Enter info
658	Pettaconk Yacht Club	P.O. Box 124	Enter info
34	State of Connecticut, Chester Ferry Landing	c/o CT DOT, State Pier, New London 06320	Enter info
Clinton, Middlesex			
408	Cedar Island Marina Inc	34 Riverside Dr	Complete
424	Clinton Yacht Haven	70 Riverside Dr	Complete
672	Port Clinton Marina Inc	33 Indian Dr	Complete
355	Billy Baroo's Bar & Grille	--	Enter info
361	Boat Deck	--	Enter info
412	Cerino's Boat Loft	70 Riverside Drive	Enter info
422	Clinton Harborside Marina	131 Grove Street	Enter info
423	Clinton Town Dock	54 E. Main St.	Enter info
496	Free Spirit Marine	18 Stony Point Rd	Enter info
535	Harborside Marina Inc	131 Grove St	Enter info
546	Holiday Dock	52 West Main St	Enter info
552	Indian River Marina	58 Commerce St	Enter info
556	Jan's Tackle Shop	Riverside Dr	Enter info
637	Old Harbor Marina Inc	79 Waterside Ln	Enter info
686	Riverside Basin Marina	45 Riverside Dr	Enter info
802	Yacht Post Flight	Riverside Dr	Enter info
808	Yacht Spankin	Riverside Dr	Enter info
Cos Cob, Fairfield			
1336	Beacon Point Marina	49 River Road	Complete
1271	Drenckhahn Boat Basin	105 River Rd	Complete
1274	Mianus Marine, Inc.	143 River Rd	Complete
1276	Palmer Point Marina	7 River Rd # 311	Complete

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LIS Dredged Material Disposal EIS Economic Survey Database

Navigation Dependent Facilities - Status of Surveys as of September 30, 2001 CT

Town, County Facility Name		Address	Status
1277	Riverscape Marina	33 River Rd	Complete
1340	Mianus River Boat & Yacht Club	98 Strickland Rd	Enter info
Darien, Fairfield			
1436	Darien Harbor, Town of Darien	2 Renshaw Rd	Complete
449	Darien Boat Club	Pear Tree Point Road	Enter info
620	Noroton Yacht Club Inc	23 Baywater Dr	Enter info
Deep River, Middlesex			
381	Brewers Deep River Marina	50 River Ln	Complete
28	City of Hartford, Charter Oak Landing	P.O. Box 382	Enter info
35	Deep River Landing	P.O. Box 382	Enter info
450	Deep River Town Dock	c/o Town Hall, 174 Main Street	Enter info
1298	Reynolds Marine	10 Spring St	Enter info
Derby, New Haven			
477	F & J Mattei Marine Inc	418 Roosevelt Dr	Complete
549	Housatonic Outdoors	445 Roosevelt Dr	No Address
Devon, New Haven			
47	NRG Energy, Devon Station Oil Dock	Naugatuck Avenue.	Enter info
East Hampton, Middlesex			
85	Connecticut Yankee Atomic Power Co., Haddam Neck Plant Wharf	362 Injun Hollow Road	Enter info
691	Rock Landing Marina	326 Rock Landing Rd	Enter info
East Hartford, Hartford			
21	Motiva Enterprises LLC	211 Riverside Drive.	Complete
23	Pratt & Whitney, Willgoos Laboratory	400 Main Street, Mail Stop 121-01	Complete
22	Atlas Oil Co., East Hartford Terminal Dock	45 Riverside Drive.	Enter info
20	General Oil Co., East Hartford Terminal Wharf	133 Riverside Drive.	Enter info
19	The Saland Co., East Hartford Terminal Dock	5 Riverside Drive.	Enter info
East Haven, New Haven			
436	Connecticut Marina Inc	2 Short Beach Rd	Enter info
437	Connecticut Marine Svc Inc	30 Waterfront St	Enter info
531	Harbor Point Marina	14 Cove St	Enter info
595	Moran Shipping Agency Inc	500 Waterfront St	Enter info
611	New Haven Yacht Club Inc	156 Cove St	Enter info
624	Northern Star Shipping Agency	500 Waterfront St	Enter info
East Norwalk, Fairfield			
465	East Norwalk Boating & Yacht	60 Seaview Ave	Complete
629	Norwalk Cove Store	48 Beach Road	Enter info
Essex, Middlesex			
339	Associated Dock Builders	Foot Of Ferry St	Complete
1427	Atlantic*	37 Pratt Street	Complete

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LIS Dredged Material Disposal EIS Economic Survey Database

Navigation Dependent Facilities - Status of Surveys as of September 30, 2001

CT

Town, County Facility Name		Address	Status
413	Chandlery At Essex	19 Novelty Ln	Complete
433	Conn River Dock & Dredge	19 Novelty Ln	Complete
466	Eastland Yachts Inc.	33 Pratt St	Complete
472	Essex Boat Works Inc	PO Box 37, 9 Ferry St	Complete
474	Essex Island Marina Inc	Foot Of Ferry St	Complete
473	Essex Yacht Club	19 Novelty Ln	Complete
586	Middle Cove Marina	25 Saybrook Rd	Complete
431	Connecticut River Museum	67 Main Street	Enter info
659	Pettipaug Yacht Club	River Rd	Enter info
Fairfield, Fairfield			
479	Fairfield Town Marina	725 Old Post Rd	Complete
1284	Explorer Ventures	--	Enter info
661	Phat Tuna's Shack	555 Turney Rd	Enter info
740	Tankship International	54 Sasco Hill Rd	Enter info
Gales Ferry, New London			
497	Gales Ferry Marina	55 Chapman Ln	Complete
70	Dow Chemical, U. S. A., Allyn's Point Plant Wharf	1761 Route 12	Enter info
Glastonbury, Hartford			
25	Ultramar Petroleum Corp., Glastonbury Terminal Dock	--	Enter info
Greenwich, Fairfield			
351	Belle Haven Yacht Club	100 Harbor Drive	Enter info
395	Byram Park Greenwich Municipal Boat Basin	--	Enter info
396	Byram Shore Boat Club	P.O. Box 4335	Enter info
18	Champion Energy Corp. Wharf	108 South Water Street.	Enter info
1287	Grass Island Boat Basin	101 Field Point Rd	Enter info
505	Greenwich Bay Marina	112 S Water St	Enter info
506	Greenwich Boat & Yacht Club	Grass Island Rd	Enter info
1272	Greenwich Harbor Club	--	Enter info
508	Greenwich Harbor Inn	--	Enter info
550	Indian Harbor Yacht Club	710 Steamboat Rd	Enter info
555	J. Catalano & Sons	34 S. Water St	Enter info
698	Rudy's Tackle Barn	242 S. Water St	Enter info
656	Peraco Chartering Corp	666 Steamboat Rd	No Address
Groton, New London			
333	Abbotts Lobster in the Rough Restaurant	117 Pearl Street	Complete
335	Adventure Yacht Sails	102 Front St	Complete
448	Custom Yacht Repair	145 Pearl St	Complete
469	Electric Boat Corp	75 Eastern Point Rd	Complete
511	Groton Oil Marina	53 Thames St	Complete
1435	Naval Submarine Base, New London	Environmental Dept., Bldg 166, Box 39, Route 12	Complete

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LIS Dredged Material Disposal EIS Economic Survey Database

Navigation Dependent Facilities - Status of Surveys as of September 30, 2001

CT

Town, County	Address	Status
Facility Name		
78 Pfizer, Groton Shore Wharf	445 Eastern Point Road.	Complete
664 Pine Island Marina	916 Shennecossett Rd	Complete
74 Spicer Fuel Co., Groton Terminal Dock	21 Thames Street.	Complete
774 Whaling City Dredge & Dock	86 Fairview Ave	Complete
84 Amerada Hess Corp., Groton Terminal Wharf	443 Eastern Point Road.	Enter info
340 Atlantic Detriot Diesel Inc.	145 Pearl Street	Enter info
349 Beebe Cove Marina	55 Spicer Ave	Enter info
542 Hel-Cat Dock Fishing Parties	181 Thames St	Enter info
561 Ken's Tackle Shop	213 Thames St	Enter info
75 M. Costa & Son Pier	448 Thames Street.	Enter info
582 Maxwell Boat Yard	135 Pearl St	Enter info
657 Perfection Yacht Repair Svc	71 Marsh Rd	Enter info
678 R B Rodgers Yacht Sales	145 Pearl St	Enter info
713 Sew Nautical	179 Thames St	Enter info
715 Shennecossett Yacht Club	1000 Shennecossett Rd	Enter info
743 Thames Inn & Marina	193 Thames St	Enter info
780 Wild Bill's Action Sports	93 Marsh Rd	Enter info
1335 Atlantic Navigation	44 Water	No Address
Guilford, New Haven		
1401 Guilford Moorings	505 Old Whitfield St.	
1404 The Bait House	514 Old Whitfield St.	
1402 The Stonehouse Restaurant	506 Whitfield St.	
391 Brown's Boat Yard	348 Chaffinch Island Rd	Complete
1403 Guilford Lobster Pound	505A Whitfield St.	Complete
514 Guilford Town Marina	31 Park Street	Complete
513 Guilford Boat Yards Inc	230 Water St	Enter info
700 Sachem's Head Yacht Club	PO Box 124	Enter info
515 Guilford Yacht Club	PO Box 644, ATTN: John Febbraio	Resent
Haddam, New London		
338 Andrews Marina	Bridge Rd	Complete
399 Camelot Cruises	1 Marine Park	Complete
36 New England Maritime Corp., Marine Park Lower Docks	1 Marine Park	Complete
37 New England Maritime Corp., Marine Park Upper Docks	1 Marine Park	Complete
588 Midway Marina	16 Snyder Rd	Enter info
Hadlyme, New London		
86 State of Connecticut, Hadlyme Ferry Landing	CT DOT, State Pier, New London 06320	Enter info
Hartford, Hartford		
27 Connecticut Resources Recovery Authority, South Meadow Station Wharf	N.E. Generation Services, Gate 20, Reserve Road.	Complete
29 The Hartford Steam Co. Wharf	60 Columbus Blvd.	Enter info

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LIS Dredged Material Disposal EIS Economic Survey Database

Navigation Dependent Facilities - Status of Surveys as of September 30, 2001

CT

Town, County Facility Name	Address	Status
Madison, New Haven		
346 Bayliner Boat Center	178 Cottage Rd	Enter info
350 Beebe Marine	Rr 1	Enter info
1292 Heritage Yacht Harbor	--	Enter info
775 Wharf	94 W Wharf Rd	Enter info
Middletown, Middlesex		
40 Wm. R. Peterson Oil Co., Middletown Terminal Dock	42 River Road.	Complete
41 City of Middletown, Harbor Park Wharf	--	Enter info
530 Harbor Park Landing	319 Butternut St	Enter info
529 Harbor Park Restaurant	80 Harbor Drive	Enter info
39 NRG Energy, Middletown Station Wharf	1866 River Road.	Enter info
38 Pratt & Whitney, Middletown Plant Dock	Aircraft Road.	Enter info
Milford, New Haven		
591 City of Milford, Milford Harbor Mgmt Commission	37 Helwig St	Complete
728 Spencer's Marina Inc	44 Rose St	Complete
490 Flagship Marina	40 Bridgeport Ave	Enter info
589 Milford Boat Works	1 High St	Enter info
590 Milford Harbor Marina	2 High St	Enter info
592 Milford Landing Marina	37 Helwig St	Enter info
593 Milford Yacht Club	131 Trumbull Ave	Enter info
673 Port Milford	164 Rogers Ave	Enter info
758 Valley Yacht Club Inc	44 Riverside Dr	Enter info
547 Lee Henschman (Housatonic Boat Club)	80 Edgemont Rd	Resent
Mystic, New London		
389 Brower's Cove Marina	30 Dubois Drive	Complete
492 Fort Rachel Marine Service, Inc.	44 Water St.	Complete
516 Gwenmor Marina	PO Box 375, Broadway Extension	Complete
601 Mystic River Marina	36 Quarry Road	Complete
379 Mystic River Properties, Inc. DBA Brewer Yacht Yard @ Mystic	56 Roseleah Drive	Complete
579 Mystic Yacht Inc. dba Masons Island Marina	24 Old North Road, P.O. Box 185	Complete
709 Seaport Marine, Inc.	1 Washington St.	Complete
558 John I. Carija & Son Boat Works, Inc.	47 Water St	Enter info
578 Mason Island Yacht Club	Mason's Island Road	Enter info
598 Mystic Downtown Marina	31 Water St.	Enter info
1295 Mystic Shipyard	100 Essex St	Enter info
603 Mystic Shipyard LLC	Box 201	Enter info
714 Shaffer's Boat Livery	106 Mason's Island Rd	Enter info
782 Willow Point Marina	127 Maple Ave	No Address
New Haven, New Haven		
478 Fair Haven Marina	309 Front St	Complete

Status: "Complete" - Information received; "Enter Info" - Questionnaire sent but no response; "Resent" - Returned by Post Office/resent to correct mailing address; "Review" - Information received but needs follow-up call; "No Address" - Difficulty finding correct mailing

LIS Dredged Material Disposal EIS Economic Survey Database

Navigation Dependent Facilities - Status of Surveys as of September 30, 2001

CT

Town, County Facility Name	Address	Status
56 Gateway Terminal, Mill River Dock	400 Waterfront St	Complete
65 Gulf Oil, New Haven Terminal Wharf	500 Waterfront Street.	Complete
52 Logistics USA Inc. Logistic Connecticut Division	100 Waterfront Street.	Complete
49 Motiva Enterprises, New Haven Terminal Wharf	481 East Shore Parkway.	Complete
63 R & H Terminal LLC	120 Forbes Avenue	Complete
57 Tallmadge Brothers Oysters and Clams Dock	50 Mill Street.	Complete
761 Vespoli USA Inc	385 Clinton Ave	Complete
54 Williams Energy New Haven Terminal	85 East Street.	Complete
55 Williams Energy New Haven Terminal, Heavy Oil Wharf	280 Waterfront Street	Complete
62 Williams Energy, New Haven Terminal Pier	134 Forbes Avenue.	Complete
50 Wis-Vest-Connecticut, LLC New Haven Harbor Station	1 Waterfront Street.	Complete
421 City Point Yacht Club	347 Kimberly Ave	Enter info
64 Getty Terminals Corp., New Haven Pier	85 Forbes Avenue.	Enter info
564 Lloyd Terminal	34 Lloyd St	Enter info
607 New Haven Fish-Lobster & Bait	3 Clifton St	Enter info
53 New Haven, Long Wharf Excursion Boat Dock	Long Wharf Drive	Enter info
645 Oyster Point Marina	98 S Water St	Enter info
60 Tallmadge Brothers, Q River Lower Wharf	610 Quinnipiac Avenue.	Enter info
59 Tallmadge Brothers, Q River Upper Wharf	610 Quinnipiac Avenue.	Enter info
51 U.S. Coast Guard Group/Long Island Sound/ New Haven Pier	120 Woodward Avenue.	Enter info
766 Waucoma Yacht Club	279 Front St	Enter info
New London, New London		
100 Admiral Harold Shear State Pier	100 Waterfront St	Complete
101 Allied Crane Equipment Service, Inc. Dock	18 Eastern Avenue.	Complete
443 Crocker's Boat Yard	56 Howard St	Complete
445 Cross Sound Ferry Svc Inc	2 Ferry Street	Complete
486 Fishers Island Ferry District	Foot of State Street	Complete
495 Fox Navigation	2 Ferry St	Complete
544 Hellier Yacht Sales Inc	128 Howard St	Complete
92 New London Seafood Distributors Dock	114 Smith Street	Complete
742 Thames Dredge & Dock Corp	2 Ferry St	Complete
745 Thames Shipyard, Inc.	2 Ferry St	Complete
1415 Thames Towboat Company, Inc.	2 Ferry Street	Complete
87 U.S. Coast Guard Academy Pier	29 Mohegan Avenue (ATTN: Alan Kruger)	Complete
91 U.S. Coast Guard Station, New London Wharf	c/o Fort Trumbull. (ATTN: Commanding Officer)	Complete
331 A W Marina	178 Pequot Ave	Enter info
393 Burr's Marina	244 Pequot Ave	Enter info
400 Captain Scott's Lobster Dock	80 Hamilton St	Enter info
99 Central Vermont Railway Co., Long Dock	--	Enter info
93 City Coal Co. Wharf	410 Bank Street	Enter info

Status: "Complete" - Information received; "Enter Info" - Questionnaire sent but no response; "Resent" - Returned by Post Office/resent to correct mailing address; "Review" - Information received but needs follow-up call; "No Address" - Difficulty finding correct mailing

LIS Dredged Material Disposal EIS Economic Survey Database

Navigation Dependent Facilities - Status of Surveys as of September 30, 2001

CT

Town, County Facility Name		Address	Status
419	City Pier-New London	Captains Walk	Enter info
485	Ferry Slip Development Inc	112 Pequot Ave	Enter info
90	Fort Trumbull Marina Dock	93 Trumbull Street.	Enter info
524	Harbor House Pequot Ave Condo	292 Pequot Ave	Enter info
96	New London City Pier	--	Enter info
98	Thames Shipyard & Repair Co. Wharf	2 Ferry Street.	Enter info
746	Thames Yacht Club	396 Pequot Ave	Enter info
89	Thamesport Development Co. Dock	262 Pequot Avenue.	Enter info
747	Thamesport Marina	260 Pequot Ave.	Enter info
94	U.S. Coast Guard, New London Buoy Depot Pier	c/o Fort Trumbull (ATTN: Commanding Officer)	Enter info
359	Block Island Ferry	PO Box 482, 14 Eugene O'Neill Dr.	Resent
Niantic, New London			
347	Bayreuther Boat Yard Inc	Smith Cove	Complete
614	Niantic Bay Yacht Club	18 Shore Road, PO Box 416	Complete
615	Niantic Dockominiums	25 Smith Ave	Complete
348	Bayview Landing	111 Main St	Enter info
363	Boats Inc.	133 Main Street	Enter info
522	Harbor Hill Marina Inc	60 Grand St	Enter info
674	Port Niantic Inc	17 Smith Ave	Enter info
Noank, --			
491	Ford's Lobsters & Haring's Marine	15 Riverview Ave	Complete
647	Palmer's Cove Marina	1023 Groton Long Point Rd	Complete
509	Groton Long Point Yacht Club	50 Beach Road	Enter info
616	Noank Marine Svc	55 Spicer Ave	Enter info
617	Noank Shipyard Gas Dock	145 Pearl St	Enter info
618	Noank Shipyard Inc	145 Pearl St	Enter info
619	Noank Village Boat Yard	38 Bayside Ave	Enter info
680	Ram Island Yacht Club	60 Front St	Enter info
729	Spicer's Marinas'	93 Marsh Rd	Enter info
Norwalk, Fairfield			
446	Cruising Yachts Inc	111 Rowayton Ave	Complete
467	Eastport Maritime USA	120 East Ave	Complete
432	Eleanor Mihialidis	147-149 & 151 Rowayton Ave	Complete
577	Maritime Aquarium At Norwalk	10 N. Water St	Complete
628	Norwalk Cove Marina Inc	Calf Pasture Beach Rd	Complete
643	R&G Industries, Inc., Oysterbend Marina	23 Platt St	Complete
682	Rex Marine Ctr Inc	144 Water St # 1	Complete
717	Shore and Country Club	220 Gregory Blvd.	Complete
718	Shore Pointe c/o Butera Properties	1 Selleck St	Complete
732	St. Ann Club Marina	16 Hendricks Ave	Complete
753	Thurston & Haigh Yachts Sales	45 Beach Rd	Complete

Status: "Complete" - Information received; "Enter Info" - Questionnaire sent but no response; "Resent" - Returned by Post Office/resent to correct mailing address; "Review" - Information received but needs follow-up call; "No Address" - Difficulty finding correct mailing

LIS Dredged Material Disposal EIS Economic Survey Database

Navigation Dependent Facilities - Status of Surveys as of September 30, 2001

CT

Town, County Facility Name		Address	Status
336	All Seasons Marine Works	167 Rowayton Ave	Enter info
337	American Yacht Svc	108 Water St	Enter info
344	Bait Shop Inc	99 Rowayton Ave	Enter info
352	Belle Island Charters Inc	Calf Pasture Beach Rd	Enter info
360	Bloom Brothers Marina	38 Cove Ave	Enter info
364	Boatworks Inc	95 Rowayton Ave	Enter info
434	Connecticut Fireboat Corp	160 Water St	Enter info
488	Five Miles River Works Inc	117 Rowayton Ave	Enter info
504	Grandville-Smith Yacht Rigging	120 Wilson Ave	Enter info
527	Harbor Master	125 East Ave	Enter info
539	Hartog's Bub B & G Marina	111 Rowayton Ave	Enter info
553	Ischoda Yacht Club	138 Water St	Enter info
570	Mahoney Marine Works Inc	10 Platt St	Enter info
575	Marina's Grocery & Deli	81 Winfield St	Enter info
581	Maurice Marine	120 Water St	Enter info
606	New England Tanker Chartering	111 Rowayton Ave	Enter info
627	Norwalk Boat Club	11 Wall St	Enter info
631	Norwalk Yacht Club	10 Nathan Hale Dr	Enter info
632	Norwalk Yacht Sales	48 Calf Pasture Beach Rd	Enter info
633	Norwest Marine	130 Water St	Enter info
648	Parkington Boatworks	7 Edgewater Pl	Enter info
649	Pastime Athletic and Social Club	59 Seaview Ave.	Enter info
693	Rowayton Commission Beach Dock	--	Enter info
694	Rowayton Marine Works Inc	105 Rowayton Ave # 5	Enter info
695	Rowayton Yacht Club At Hicory	77 Bluff Ave	Enter info
705	Sea Haven Yacht Sales	48 Calf Pasture Beach Rd	Enter info
719	Simpson Spence & Young	95 Rowayton Ave	Enter info
721	Sono Harbor Landing	50 Water St	Enter info
722	Sono Seaport Seafood	100 Water St.	Enter info
723	Sono Wharf	11 Goldstein Pl	Enter info
727	South Norwalk Boat Club	17 Mack Street	Enter info
755	Total Marine Of Norwalk Inc	160 Water St	Enter info
756	United Marine Co	Commerce St	Enter info
762	Village Marine	101 Rowayton Ave	Enter info
778	White Bridge Marina Inc	167 Rowayton Ave	Enter info
783	Wilson Cove Marina	120 Wilson Ave	Enter info
784	Wilson Cove Yacht Club Inc	126 Wilson Ave	Enter info
785	Wilton Tankers Inc	37 North Ave # 301	Enter info
731	Sprite Island Yacht Club Inc	PO Box 1048	No Address
Norwich, New London			
571	The Marina At American Wharf	1 American Wharf	Complete

Status: "Complete" - Information received; "Enter Info" - Questionnaire sent but no response; "Resent" - Returned by Post Office/resent to correct mailing address; "Review" - Information received but needs follow-up call; "No Address" - Difficulty finding correct mailing

LIS Dredged Material Disposal EIS Economic Survey Database

Navigation Dependent Facilities - Status of Surveys as of September 30, 2001 CT

Town, County Facility Name	Address	Status
634 Norwich City Landing	100 Broadway #217	Enter info
104 State of Connecticut, Norwich Hospital Pier	c/o CT DOT, State Pier, New London 06320	Enter info
749 Thayer's Marina	14 Falls Ave	Enter info
Old Lyme, New London		
356 Black Hall Marina LLC	132 Shore Rd P.O. Box 261	Complete
441 Cove Landing Marine Inc	250 Hamburg Rd	Complete
638 Old Lyme Dock Co	323 Ferry Rd # 2	Complete
520 Hamburg Cover Yacht Club	13 Cove Rd	Enter info
639 Old Lyme Marina Inc	34 Neck Rd	Enter info
683 Reynolds' Garage & Marine	264 Hamburg Rd	Enter info
735 State of CT DEP-Marine Division	P.O. Box 280, 333 Ferry Rd.	Enter info
Old Mystic, New London		
600 Old Mystic Marina	149 Whitehall Ave. Box 212	Complete
Old Saybrook, Middlesex		
621 North Cove Yacht Club	P.O. Box 298, Sheffield Street	Complete
635 Oak Leaf Marina Inc	218 Ferry Rd	Complete
636 Offshore East Marina	26 4th Avenue Ext	Complete
679 Ragged Rock Marina	54 Ferry Rd	Complete
703 Saybrook Point Marina & Spa	2 Bridge St	Complete
353 Between The Bridges Marina	142 Ferry Rd	Enter info
354 Between The Bridges South	2 Clark St	Enter info
453 Dock & Dine	10 College St	Enter info
484 Ferry Point Marina	29 Essex Rd	Enter info
517 Hailing Port Svc	--	Enter info
528 Harbor One Marina	22 Bridge St	Enter info
554 Island Cove Marina	32 4th Ave	Enter info
557 Jensen Yacht Sales	142 Ferry Rd	Enter info
712 Seth Persson Boat Builders	18 Riverside Ave	Enter info
810 Yacht Toy Soldier	26 Bridge St	Enter info
Pawcatuck, New London		
1299 Connors & O'Brien Marina	197 Mechanic St	Complete
1300 Green Haven Marina	31 Riverside Dr	Enter info
1301 Norwest Marine	7 River Rd	Enter info
1303 Stoninton-on-the-River	257 River Rd	Enter info
777 Whewell's Marina	1 Whewell Circle, Route 1	Enter info
Portland, Middlesex		
687 Portland Riverside Marina	37 Riverview St	Complete
43 Triram LLC, Portland Terminal Wharf	171 Brownstone Avenue.	Complete
44 United Oil, Portland Terminal Wharf	3 Brownstone Avenue	Complete
660 W.J. Petzold, Inc.	37 Indian Hill Ave.	Complete

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LIS Dredged Material Disposal EIS Economic Survey Database

Navigation Dependent Facilities - Status of Surveys as of September 30, 2001 CT

Town, County	Address	Status
Facility Name		
45 B & B Petroleum Co., Portland Terminal Wharf	1 Brownstone Avenue.	Enter info
42 Coastal Oil New England, Portland Terminal Dock	100 Brownstone Avenue.	Enter info
1304 Hull Harbor Inc.	1 Grove St	Enter info
622 North East Yacht Sales	54 Riverview St	Enter info
675 Portland Boat Works	1 Grove St.	Enter info
814 Yankee Boat Yard & Marina Inc	54 Riverview St	Enter info
Rocky Hill, Hartford		
31 Citgo Petroleum Corp., Rocky Hill Terminal Wharf	109 Dividend Road.	Complete
30 State of Connecticut, Rocky Hill Ferry Landing	c/o CT DOT, State Pier, New London 06320	Complete
32 ADC Fuel Co., Rocky Hill Terminal Wharf	45 Evans Road.	Enter info
Saybrook Point, Middlesex		
46 Dock & Dine Restaurant Dock	--	Enter info
Shelton, Fairfield		
470 Enterprise Yacht Sales Inc	722 River Rd	Enter info
533 Harbor Valley Yacht Club Inc	50 Victory St	Enter info
597 Murphy's Boat Yard	722 River Rd	Enter info
685 River's End Marina Inc	50 Victory St	Enter info
South Glastonbury, Hartford		
538 Hartford Yacht Club	Tryon St	Enter info
706 Seaboard Marina Inc	684 Tryon St	Enter info
South Lyme, New London		
494 Four Mile River Marina	2 Bank Road	Enter info
Southport, --		
655 Pequot Yacht Club	669 Harbor Rd	Enter info
815 Ye Yacht Yard	1088 Harbor Rd	Enter info
Stamford, Fairfield		
384 Brewers Yacht Haven East/West	Foot Of Washington Blvd	Complete
471 Erik's Boatworks	Foot Of Washington Blvd	Complete
512 Groton Pacific Carriers Inc	70 Seaview Ave # 2	Complete
523 Harbor House Marina	43 Harbor Dr	Complete
1337 Cove Mills Marina	426 Shippin Ave	Enter info
447 Cummings Park Marina	426 Shippin Ave.	Enter info
1338 Czescik Municipal Marina	426 Shippin Ave	Enter info
499 General Steamship Corp	2 Stamford Lndg # 120	Enter info
519 Halloween Yacht Club	10 Seaview Ave	Enter info
536 Harbour Square Marina	860 Canal St	Enter info
604 Nautor's Swan	Foot Of Washington Blvd	Enter info
613 Newport Offshore Intl	Foot Of Washington Blvd 12-B	Enter info
640 Omi Corp	1 Station Pl # 12	Enter info
646 Palmer Landing	123 Harbor Dr # 123	Enter info

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LIS Dredged Material Disposal EIS Economic Survey Database

Navigation Dependent Facilities - Status of Surveys as of September 30, 2001

CT

Town, County Facility Name		Address	Status
667	Ponus Yacht Club Inc	69 Dyke Ln	Enter info
677	Prestige Yacht Sales	Washington Blvd	Enter info
689	Roberts Construction	84 Southfield Ave	Enter info
707	Seagos Inc	333 Ludlow St Fl 7	Enter info
708	Seagroup	2187 Atlantic St Fl 8	Enter info
710	Seaview House Marina	Westcott Cove	Enter info
711	Seaview Service	43 Harbor Dr	Enter info
733	Stamford Landing Marina	78 Southfield Ave	Enter info
1310	Stamford Municipal Marina	888 Washington Blvd	Enter info
734	Stamford Yacht Club	97 Ocean Dr W	Enter info
760	Van Ommeren Shipping Inc	46 Southfield Ave # 100	Enter info
759	Van Ommeren Shipping Inc	3 Stamford Lndg # 200	Enter info
776	Wheeler Associates	28 Southfield Ave # 2	Enter info
1311	Yacht Haven East	P. O. Box 931	Enter info
Stonington, New London			
405	Cardinal Cove Marina	18 A Harbor View Ter	Complete
459	Don's Dock	228 N Water St	Complete
442	Coveside Marina	830 Stonington Rd	Enter info
456	Dodson Boat Yard Inc	194 Water St	Enter info
583	Mc Clave Philbrick & Giblin	43 Wilcox Rd	Enter info
623	North Harbor Yachts Inc	230 N Water St	Enter info
720	Skipper's Dock	66 Water St	Enter info
779	Wilcox Marine Supply	19 Old Stonington Rd	Enter info
Stratford, Fairfield			
372	Breakwater Key Association	100 Breakers Lane	Complete
390	Brown Boat Works	638 Stratford Ave	Complete
1313	Beacon Point Marine	250 Ferry Blvd	Enter info
377	Brewer Yacht Sales	Foot Of Broad St	Enter info
383	Brewers Stratford Marina	0 Foot Of Broad St	Enter info
454	Dock Inc	955 Ferry Blvd	Enter info
548	Housatonic Marina	280 Ferry Blvd	Enter info
562	Knapp's Landing	520 Sniffens Lane	Enter info
573	Marina At The Dock	955 Ferry Blvd	Enter info
651	Paul's Diesel Service	0 Foot of Broad Street	Enter info
668	Pootatuck Yacht Club	100 Housatonic Ave	Enter info
1314	Stratford Marina	Foot of Broad St.	Enter info
1315	Stratford Municipal Dock	2725 Main St (Attn: Town Manager - Mark Barnhart)	Enter info
803	Yacht Renegade	700 Sniffens Ln	Enter info
811	Yacht Wanderer	Foot Of Broad St	Enter info
537	Harbour Woods Yacht Club	20 harbour View Pl.	No Address

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LIS Dredged Material Disposal EIS Economic Survey Database

Navigation Dependent Facilities - Status of Surveys as of September 30, 2001

CT

Town, County Facility Name		Address	Status
Uncasville, New London			
106	AES Thames, Uncasville Wharf	141 Depot Road	Complete
105	NRG Montville Operations, Inc.	74 Lathrop Road.	Complete
Waterford, --			
1316	Captain Johns	15 1st St	Complete
1318	Niantc Bay Boat Valet	8-10 River St	Complete
1317	Mijoy Dock	12 River St	Enter info
1319	Niantic Sportfishing Dock	--	Enter info
West Haven, New Haven			
68	Connecticut Refining Co., West Haven Terminal Wharf	105 Water Street.	Complete
769	West Cove Marina	13 Kimberly Ave.	Complete
69	Bell Harbor Refining Co., West Haven Terminal Pier	16 Elm Street.	Enter info
576	Marine General	7 1st Ave	Enter info
770	West Haven Yacht Club	--	Enter info
West Mystic, --			
1341	Mystic Shipyard East	PO Box 201, ATTN: Jeff Marshall	No Address
Westbrook, Middlesex			
382	Brewer Pilots Point Marina and Brewer Yacht Sales	63 Pilots Point Dr	Complete
460	Duck Island Yacht Condos	Hammock Dock Rd	Complete
1339	Harry's Marine Repair	38 Hammock Rd. S.	Complete
567	Louis Marine Ltd.	438 Boston Post Road	Complete
684	Ritts Marine Ctr	533 Boston Post Rd	Complete
773	Wetmore's Marina	362 Boston Post Rd	Complete
334	Advanced Yacht Svc	48 Hammock Rd S	Enter info
341	Atlantic Outboard	475 Boston Post Road	Enter info
407	Carlson Landing	Hammock Dock Rd	Enter info
451	Dick's Marina	314 Boston Post Rd	Enter info
563	KS Kapa Sails	404 Boston Post Rd	Enter info
584	Menunketesuck Yacht Club	63 Pilot's Point Dr	Enter info
650	Paul's Custom Tackle	362 Boston Post Rd.	Enter info
663	Pier 76 Marina Inc	54 Old Boston Post Rd	Enter info
701	Sail Westbrook Inc	629 Boston Post Rd	Enter info
1325	Westbrook Boat & Engine	--	Enter info
771	Westbrook town Dock	35 Mink Lock Circle	Enter info
429	Colvin Yachts	36 Hammock Rd	No Address
Westport, Fairfield			
388	Brookwater Limited	299 Riverside Ave	Complete
330	A L Ring & Yacht Sagacity	6 Great Marsh Rd	Enter info
385	Bridgebrook Marina	471 Riverside Avenue	Enter info
410	Cedar Point Yacht Club Inc	1 Bluff Pt	Enter info

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LIS Dredged Material Disposal EIS Economic Survey Database

Navigation Dependent Facilities - Status of Surveys as of September 30, 2001

CT

Town, County Facility Name		Address	Status
427	Coastwise Marine Corp.	609 Riverside Ave	Enter info
462	E.R. Strait Marina	--	Enter info
626	Northrop Yacht Sales	570 Riverside Ave	Enter info
702	Saugatuck Harbor Yacht Club	6 Great Marsh Rd	Enter info
724	Sound Tanker Chartering Inc	274 Riverside Ave Fl 3	Enter info
787	Yacht Basin-Longshore Marina	260 Compo Rd S	Enter info
Wethersfield, Hartford			
33	Amerada Hess Corp., Wethersfield Terminal Wharf	50 Burbank Road.	Enter info
414	Charter Oak Landing	1 Hartford Sq. West, Suite 100	Enter info
772	Wethersfield Cove Yacht Club	270 Hartford Ave Rear	Enter info

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LIS Dredged Material Disposal EIS Economic Survey Database

Navigation Dependent Facilities - Status of Surveys as of September 30, 2001

NY

Town, County Facility Name		Address	Status
Aquebogue, Suffolk			
969	Larry's Lighthouse Marina	Meeting House Creek Rd, P.O. Box 1250	Complete
893	Dreamer's Cove Motel	Pecnic Bay Blvd	Enter info
1156	Warren's Tackle Ctr	548 Main St	Enter info
Astoria, Queens			
228	Castle Astoria Terminals, Oil Pier and Wharf.	17-10 Steinway St.	Complete
225	Consolidated Edison Co. of New York inc.	Above foot of 20th Avenue extended.	Complete
226	NRG, Astoria Gas Turbines	31-01 20th Ave.	Complete
229	City of NY, Dept of Environ. ProtectionBowery Bay Water Pollution	Foot of 42nd Street extended.	Enter info
Bay Terrace, Queens			
230	U.S. Coast Guard, Fort Totten Station Docks.	Building 610, Bay Road.	Enter info
Bayside, Queens			
831	Bayside Marina	28-05 Cross Island Pkwy.	Complete
1326	Tappan Beach and Marina	--	Enter info
Bayville, --			
847	Bridge Marina	40 Ludlam Ave	Enter info
Bronx, Bronx			
822	Ampere Fishing & Yacht Club	1610 Bayshore Ave	Complete
827	Barron Boat Yard and Barron's Marine Service	350 Fordham Pl	Complete
839	Boatmax II	150 City Island Ave	Complete
851	Bronxonia Yacht Club Inc	518 Ellsworth Ave	Complete
974	Locust Point Yacht Club Inc	21 Longstreet Ave	Complete
1024	North Minnieford Yacht Club	150 City Island Ave	Complete
1044	Pelbamar Corp	1490 Outlook Ave	Complete
1095	Shelter Cove Marina	602 Clarence Ave	Complete
1112	South Minneford Yacht Club Inc	150 City Island Ave	Complete
129	Stuyvesant Fuel Terminal East River	1040 East 149th Street.	Complete
828	Bay Beach Marina	3258 Philip Ave	Enter info
124	Bronx Metals Recycling Bronx River Dock.	850 Edgewater Road.	Enter info
123	Casa Redimix Concrete Corp., Bronx River Wharf.	886 Edgewater Road.	Enter info
131	Castle Oil Corp., Port Morris Terminal, North Barge Dock.	939 East 138th Street	Enter info
133	Castle Oil Corp., Port Morris Terminal, South Barge Dock.	939 East 138th Street	Enter info
132	Castle Oil Corp., Port Morris Terminal, Tanker Dock.	939 East 138th Street	Enter info
127	Castle Terminals, Bronx Terminal Wharf.	Foot of Truxton Street.	Enter info
865	City Island Yacht Club	63 Pilot St	Enter info
866	City Island Yacht Sales	673 City Island Ave	Enter info
107	City of NY, Dept of Correction, Rikers Island Oil Dock & Patrol Boat Dock	Rikers Island.	Enter info
879	Consolidated Yachts Inc	157 Pilot St	Enter info
125	Department of Sanitation, South Bronx Marine Transfer Station, Bar	Foot of Hunts Point Avenue.	Enter info

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LIS Dredged Material Disposal EIS Economic Survey Database

Navigation Dependent Facilities - Status of Surveys as of September 30, 2001 NY

Town, County Facility Name		Address	Status
1398	Edgewater Park Owner's Cooperative	1 Edgewater Plaza	Enter info
901	Evers Marina	1470 Outlook Ave Pier 2	Enter info
904	Fenton Marine	225 Fordham St	Enter info
933	Harlem Yacht Club Inc	417 Hunter Ave	Enter info
112	International Underwater Contractors, City Island Loading Wharf.	222 Fordham Street.	Enter info
113	International Underwater Contractors, City Island Mooring Dock.	222 Fordham Street.	Enter info
961	Kirby St Marina Co	231 Kirby St	Enter info
972	Lobster House	691 Bridge St, Fl 1	Enter info
973	Locust Point Marina Inc	140 Reynolds Ave	Enter info
999	Metro Marine Inc	1322 Commerce Ave	Enter info
1010	Morris Yacht & Beach Club Inc	1 City Island Ave	Enter info
111	New York City D.O.T., City Island Ferry Slip and Pier.	Foot of Fordham Street.	Enter info
110	New York City D.O.T., Hart Island Ferry Slip.	Hart Island.	Enter info
109	New York City D.O.T., Hart Island Patrol Boat Dock.	Hart Island.	Enter info
126	New York City DEP, Hunts Point Water Pollution Control Plant Wharf	Costner St. and Ryawa Ave.	Enter info
135	New York City Fire Department, Fire Academy Wharf.	Randall's Island.	Enter info
134	New York City Police, Harbor Unit Mooring Slips.	Foot of East 135th St. and Locust Ave	Enter info
1020	New York Sailing Ctr & Yacht	560 Minnieford Ave	Enter info
122	Oil Masters L.L.C., Westchester Creek Dock.	1066 Zerega Avenue.	Enter info
114	Pascap Co., Scrap Metal Wharf No. 1.	4250 Boston Road.	Enter info
115	Pascap Co., Scrap Metal Wharf No. 2.	4250 Boston Road.	Enter info
116	Pascap Co., Scrap Metal Wharf No. 3.	4250 Boston Road.	Enter info
117	Petrillo Builders Supply Co. Dock.	1 Edison Avenue.	Enter info
118	Plaza Materials Corp. Wharf.	3966 Provost Avenue.	Enter info
1048	Point Yacht Club Inc	3 Soundview Ave	Enter info
1060	Portside Marina Inc	697 Bridge St	Enter info
1070	Riverdale Yacht Club Inc	800 W 254th St	Enter info
1074	Rosenberger's Boat Livery	663 City Island Ave	Enter info
1075	Royal Marina	521 City Island Ave	Enter info
120	Schildwachter & Sons North Dock.	1400 Ferris Place.	Enter info
121	Schildwachter & Sons South Dock.	1400 Ferris Place.	Enter info
1088	Seashore Restaurant & Marina	591 City Island Ave	Enter info
119	State University of New York, Maritime College Pier.	Below Throgs Neck Bridge.	Enter info
128	Stuyvesant Fuel Terminal East River Main Berth Dock.	1040 East 149th Street.	Enter info
130	Stuyvesant Fuel Terminal East River No. 3 Berth Dock	1040 East 149th Street.	Enter info
1127	Stuyvesant Yacht Club	10 Centre St	Enter info
1128	Sunrise Marina	Same as Jack's Bait & Tackle?	Enter info
1134	The Harbor Restaurant	565 City Island Ave	Enter info
136	Wards Island, Water Pollution Control Plant Wharf.	Wards Island.	Enter info
1165	White Cross Fishing Station	750 Clarence Ave	Enter info

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LIS Dredged Material Disposal EIS Economic Survey Database

Navigation Dependent Facilities - Status of Surveys as of September 30, 2001

NY

Town, County Facility Name	Address	Status
1175 Ysi-Yacht Svc Intl	150 City Island Ave	Enter info
Brooklyn, Queens		
231 Department of Sanitation, Greenpoint Marine Transfer Station, Barg	North Henry Street.	Enter info
Centerport, --		
862 Centerport Boat Works	105 Centershore Rd	Enter info
City Island, --		
965 Kretzer Boat Works	459 City Island Ave	Enter info
1083 Sail Maker At City Island	190 Schofield St	Enter info
1100 Shelter Marine Sales, Inc.	--	Enter info
Cold Spring Harbor, Suffolk		
873 Cold Spring Harbor Beach Club	101 Shore Road	Enter info
923 H&M Powles Marine Agency	74 Harbor Rd	Enter info
261 Mobil Oil Corp., Cold Spring Harbor Pier.	Shore Road.	Enter info
1062 Powles Marina	74 Harbor Rd	Enter info
1164 Whaler's Cove Yacht Club	--	Enter info
College Point, Queens		
824 Arrow Yacht Club Inc	22-04 119th St	Complete
907 Frank Tiborsky Marine Ltd.	110-02 15th Ave P.O. Box 38	Complete
Coram, Suffolk		
1408 Brookhaven Department of Parks, Recreation and Human Resources	1130 Old Town Rd	Enter info
Corona, Queens		
232 Grace Asphalt Co., Flushing Wharf.	30-01 Harper Street.	Enter info
Cutchogue, --		
850 Broadwaters Cove Marina	8000 Skunk Ln, PO Box 432	Complete
882 Cutchogue Harbor Marina	3350 W Creek Ave	Complete
954 James H Rambo Inc	Haywaters Rd	Enter info
1123 Stirling Harbor Shipyard	200 Castle Hill Rd	Enter info
E. Setauket, --		
1091 Setauket Harbor Boat Basin	66 Shore Rd	Enter info
East Hampton, NY, --		
925 Halsey's Marina Inc	P.O. Box 803	Complete
1139 Three Mile Marina Office	10 Boatyard Drive	Complete
896 East Hampton Harbor Master's	Gann Rd	Enter info
897 East Hampton Marina	19 Boat Yard Rd	Enter info
898 East Hampton Point Marina	295 Three Mile Harbor Rd	Enter info
899 East Hampton Town Pumpout Station	159 Pantigo	Enter info
930 Harbor Marina Of East Hampton	423 Three Mile Harbor Hc Rd	Enter info
977 Maidstone Harbor	313 Three Mile Harbor Rd	Enter info
1063 Pro Yacht Svc	Gann Rd	Enter info

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Navigation Dependent Facilities - Status of Surveys as of September 30, 2001

NY

Town, County Facility Name		Address	Status
1094	Shagwong Marina	219 Three Mile Harbor Rd	Enter info
1138	Three Mile Harbor Boat Yard	Three Mile Harbor Rd	Enter info
1221	Maidstone Boat Yard	313 Three Mile Harbor Rd.	Resent
Eastchester, --			
1429	No Facilities	No Facilities	Complete
Eatons Neck, Suffolk			
262	U.S. Coast Guard, Eatons Neck Station Piers.	Foot of Lighthouse Road.	Complete
Fishers Island, --			
905	Fishers Island Mobil	P.O. Box 45	Complete
1047	Pirate's Cove Marine Inc	12 Pensulia Rd	Complete
906	Fishers Island Yacht Club	PO Box 475, Old Mystic, CT 06372	Enter info
Flanders, --			
826	B & E Marine	60 Bay Ave	Complete
Flushing, Queens			
237	Lefferts Oil Terminal Inc.	31-70 College Point Blvd.	Complete
241	Skaggs-Walsh, Flushing Bay Pier.	119-02 23d Avenue.	Complete
1107	Skyline Cruise Lines, Inc.	1 Worlds Fair Marina	Complete
235	Tilcon N.Y. Flushing Terminal	34-66 College Point Blvd.	Complete
1167	Williamsburgh Yacht Club Inc	11808 29th Ave	Complete
817	A Celebration Yacht Charter	1 Worlds Fair Marina	Enter info
823	Anchorage II	2008 119th St	Enter info
234	Best Concrete Mix Corp., Flushing Dock.	35-10 College Point Blvd.	Enter info
240	City of New York, Dept of Sanitation, North Shore Loading Station.	31st Avenue and Flushing Causeway.	Enter info
869	Cloud Nine Marine Enterprise	1 Worlds Fair Marina	Enter info
874	College Point Yacht Club Inc	304 126th St	Enter info
915	Grand Bay Marina Restaurant	1 Worlds Fair Marina	Enter info
239	Mount Hope Rock Products Corp., Flushing Bay Dock.	120th Street and 31st Avenue.	Enter info
242	New York City Police Harbor Unit, George Pier and Wharf.	Foot of 14th Avenue.	Enter info
236	New York Paving, Flushing Dock.	32-02 College Point Blvd.	Enter info
243	NY City Parks & Recreation: World's Fair Marina Pier.	125-01 Northern Blvd.	Enter info
238	St. Lawrence Cement Co., Flushing Wharf.	31-30 College Point Blvd.	Enter info
1166	Whitestone Marine & Watersport	15119 Powells Cove Blvd	Enter info
233	Willets Point Asphalt Corp. Wharf.	35-32 College Point Blvd.	Enter info
1171	World's Fair Marina	1 Worlds Fair Marina	Enter info
Glen Cove, Nassau			
844	Brewer Glen Cove Inc.	128 Shore Rd	Complete
956	Jude Thaddeus Glen Cove Marina	76 Shore Road	Complete
835	Beacon Hill Marina	--	Enter info
143	Bona-Fide Ready-Mix Corp., Glen Cove Wharf.	47 Herb Hill Road.	Enter info
144	Doxside Industries, Glen Cove Dock.	10 Garvies Point Road.	Enter info

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LIS Dredged Material Disposal EIS Economic Survey Database

Navigation Dependent Facilities - Status of Surveys as of September 30, 2001

NY

Town, County Facility Name		Address	Status
145	Gladsky Marine Corp., Glen Cove Dock.	Garvies Point Road.	Enter info
910	Glen Cove Angler's Club	Garvies Point Rd	Enter info
912	Glen Cove Yacht Club	--	Enter info
1224	Glen Cove Yacht Service	neither # is for that business	Enter info
934	Harry Tappen Boat Basin	--	Enter info
938	Hempstead Harbour Club	--	Enter info
970	Legend Yacht & Beach Club	45 Red Spring Ln	Enter info
141	Rason Asphalt, Glen Cove Wharf.	44 Morris Avenue.	Enter info
1225	Sea Cove Marina, Inc.	--	Enter info
142	Windsor Fuel Co., Glen Cove Wharf.	45 Charles Street.	Enter info
Glenwood Landing, Nassau			
1226	Burtis Boat Works	165 Shore Rd.	Complete
146	Glenwood Power Station, Keyspan	200 Shore Road	Complete
148	Keyspan Energy, Glenwood Power Station Wharf.	Shore Road.	Enter info
147	Mobil Oil Corp., Glenwood Landing Terminal Wharf.	Foot of Glenwood Road at Shore Road.	Enter info
Great Neck, Nassau			
1255	Northport Marine Center	--	Enter info
1121	Stepping Stones Park Boat Basin	5 Beach Rd	Enter info
Greenport, Suffolk			
263	Alice's Fish Market at Greenport Seafood Dock Co., Dock.	222 Atlantic Avenue.	Complete
845	Brewer Yacht Yard Inc	500 Beach Rd	Complete
868	Claudio's Marina	111 Main St	Complete
920	Greenport Yacht & Shipbuilding Co.	201 Carpenter St - Box 750	Complete
1227	Harborhaven	117 Sterling St	Complete
1078	S.T. Preston's, Inc.	Main Street Wharf	Complete
1228	Stirling Harbor Shipyard	1410 Manhasset Ave	Complete
902	Fair Wind Yachts	1100 Manhasset Ave	Enter info
927	Hanff's Boat Yard	190 Sterling	Enter info
264	Long Island Seafood Export, Greenport Dock.	Foot of Stirling Avenue.	Enter info
284	North Ferry Co., Greenport Ferry Slips.	Foot of 3rd Street.	Enter info
265	Robert T. Cooper, Seafood Dock.	204 Carpenter Street.	Enter info
1122	Stirling Harbor Marina	1410 Machanset Ave	Enter info
1130	Taber Yacht Sales	1410 Manhasset Ave	Enter info
1147	Townsend Manor Marina	714 Main Street	Enter info
1150	Triangle Yacht Club	--	Enter info
285	Village of Greenport, Commercial Fish Dock.	Foot of 3rd Street.	Enter info
1169	Winter Harbor Fisheries Inc	Sterling Ave, PO Box 2094	No Address
Halesite, Suffolk			
946	Huntington Yacht Club	95 E Shore Rd	Complete
958	Ketewomoke Yacht Club	PO Box 2130	Resent

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Navigation Dependent Facilities - Status of Surveys as of September 30, 2001

NY

Town, County Facility Name	Address	Status
Hampton Bays, --		
908 Frank's Landing-Hampton Bays (may not be in study area)	3 Rampasture Rd	Complete
1006 Molnar's Landing Inc (may not be in study area)	31 Alanson Ln	Complete
948 Indian Cove Marina and Restaurant	258 Montauk Hwy	Enter info
952 Jackson's Marina Inc	6 Teepee St	Enter info
990 Mariners Cove Marina	9 Canoe Place Rd	Enter info
1005 Modern Yachts Inc	36 Newtown Rd	Enter info
1069 Rip Tide Marina and Restaurant	7 North Rd	Enter info
1116 Spellman's Marine Inc	262 E Montauk Hwy	Enter info
Huntington, --		
829 Bay Yacht Sales Inc	202 E Shore Rd	Complete
937 Helm Yacht Svc	202 E Shore Rd	Complete
1231 Knutson Shipyard	202 East Shore Rd	Complete
1430 Suffolk County Dept. of Public Works	Centerport Harbor	Complete
1002 Town of Huntington, Dept. of Maritime Services (Marinas)	100 Main St	Complete
1161 West Shore Marina	100 W Shore Rd	Complete
855 Canyon Products	25 New York Ave	Enter info
864 Centeryacht Inc	155 W Shore Rd	Enter info
870 Coco's Water Café	117 New York Ave #7w	Enter info
877 Coneys Marine Corp	32 New York Ave	Enter info
887 Deep Water Sports Outlet	25 New York Ave	Enter info
1230 Dornic Marine	--	Enter info
924 Halesite Marina	--	Enter info
928 Harbor Boating Club	323 W Shore Rd	Enter info
943 Huntington Bait & Tackle	74 New York Ave	Enter info
944 Huntington Beaches & Marina	100 Main St	Enter info
945 Huntington Town Dock	100 Main Street	Enter info
963 Knutson West Marine Inc	41 E Shore Rd	Enter info
964 Knutsons Yacht Haven Marina	202 E Shore Rd	Enter info
966 L I Yacht Svc	135 W Shore Rd # G	Enter info
1327 Morningtime Marina	--	Enter info
1406 Town of Huntington, Dept. of Engineering, ATTN: John Palmieri	100 Main Street	Enter info
1168 Willis Marine Ctr Inc	17 Mill Dam Rd	Enter info
1173 Wyncote Club	311 W. Shore Rd	Enter info
Kings Park, --		
960 Kings Park Yacht Club	Kings Park Yacht Club Rd	Enter info
Kings Point, Nassau		
1174 U.S. Merchant Marine Academy Dept. of Waterfront Activities Yocum Sailing Center	300 Steamboat Road	Complete
1424 Grace Harbor	From Jenefer Thalhauser 8/22/01	Enter
1426 Kennilworth Yacht Club	New from Jenifer Thalhauser	Enter

Status: "Complete" - Information received; "Enter Info" - Questionnaire sent but no response; "Resent" - Returned by Post Office/resent to correct mailing address; "Review" - Information received but needs follow-up call; "No Address" - Difficulty finding correct mailing

LIS Dredged Material Disposal EIS Economic Survey Database

Navigation Dependent Facilities - Status of Surveys as of September 30, 2001

NY

Town, County Facility Name		Address	Status
1425	Kings Point House	new from Jenifer Thalhauser 8/22/01	Enter
849	Broadlawn Harbour Yacht Club	--	Enter info
162	U.S. Merchant Marine Academy Pier.	Steamboat Road.	Enter info
Larchmont, --			
940	Horseshoe Yacht Club	P.O. Box 136	Complete
968	Larchmont Yacht Club	1 Woodbine Ave	Complete
Long Island City, Queens			
246	Water's Edge Restaurant, Ferry Dock.	44th Drive at East River.	Complete
252	City of NY, Department of Ports and Terminals, Long Island City Mo	Foot of 44th Drive.	Enter info
247	Getty Petroleum Marketing, Long Island City Wharf.	30-23 Greenpoint Avenue.	Enter info
251	NY Waterway, Queens Ferry Terminal.	52-00 Second Street.	Enter info
248	Principe-Danna Wharf.	47-17 27th Street.	Enter info
244	Waste Management of New York, Review Avenue Wharf.	38-50 Review Avenue.	Enter info
Mamaroneck, --			
834	Beach Point Club	900 Rushmore Ave	Complete
326	Brewer Post Road Yard	155 East Boston Post Rd.	Complete
1418	Mamaroneck Municipal Marina	123 Mamaroneck Ave	Complete
997	Mc Michael Rushmore Yard	700 Rushmore Ave	Complete
998	McMichael Yacht Yard, Inc.	447 E Boston Post Rd	Complete
1036	Orienta Beach Club	1054 Walton Ave	Complete
888	Derecktor Shipyards	311 E Boston Post Rd	Enter info
929	Harbor island Municipal Marina	123 Mamaroneck Rd	Enter info
931	Harbor Marine Svc	622 Rushmore Ave	Enter info
982	Mamaroneck Bait & Tackle	111 E Boston Post Rd	Enter info
983	Mamaroneck Beach & Yacht Club	Foot South Barry Ave	Enter info
1022	Nichols Yacht Yards Inc	500 Rushmore Ave # 1	Enter info
1037	Orienta Yacht Club	325 E Boston Post Rd	Enter info
1144	Total Marine Ltd	622 Rushmore Ave	Enter info
1329	Village of Mamaroneck	--	Enter info
Manorhaven (use Port Washington), --			
1257	Weston Marine Services	--	Enter info
Mattituck, Suffolk			
1126	Strongs Marine	Camp Mineola Road	Complete
992	Matt-A-Mar Marina Inc	2255 Wickham Ave	Enter info
993	Mattituck Park District Marina	--	Enter info
994	Mattituck Fishing Station	1404 Naugles Dr	Enter info
995	Mattituck Inlet Marina	5780 W Mill Rd	Enter info
996	Mattituck Yacht Club	9462 Peconic Bay Blvd	Enter info
1033	Old Mill Inn	5775 W. Mill Rd	Enter info
1045	Petersen's Marina	909 Naugles Dr	Enter info

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LIS Dredged Material Disposal EIS Economic Survey Database

Navigation Dependent Facilities - Status of Surveys as of September 30, 2001

NY

Town, County Facility Name	Address	Status
270 Tilcon Minerals, Mattituck Inlet Wharf.	Nougles Drive.	Enter info
1154 Village Marine	11455 Route 25	Enter info
Montauk, --		
914 Gone Fishing Marina	467 E Lake Dr	Complete
1008 Montauk Marine Basin, Inc.	426 West Lake Drive	Complete
1031 Offshore Sports Marina Inc	West Lake Dr	Complete
1151 Uihlein's Marina	P.O. Box 357, 444 W. Lake Dr Ext.,	Complete
1160 West Lake Fishing Lodge	352 W Lake Dr	Complete
840 Bogdan Gosman's Dock	Gosmans Dock & W Lake Dr	Enter info
1235 Bridgeford Marina	--	Enter info
1237 Captain's Marina and Inn	--	Enter info
890 Diamond Cove Marina	157 W Montuk	Enter info
1007 Montauk Lake Club & Marina	211 E Lake Dr # A	Enter info
1009 Montauk Yacht Club Resort	32 Star Island Rd	Enter info
1084 Salivar Dock	470 W. Lake Dr	Enter info
1110 Snug Harbor	156 West Lake Dr.	Enter info
1117 Sportsman's Dock	P.O. Box 62	Enter info
1118 Star Island Marina	Star Island Rd	Enter info
1119 Star Island Yacht Club	Star Island Rd	Enter info
1153 Viking Dock	W. Lake Dr	Enter info
Mount Sinai, --		
1032 Old Man's Boat Yard	P.O. Box 317	Complete
1434 Suffolk County Dept. of Public Works	Stony Brook Harbor	Complete
1011 Mount Sinai Marina	Harbor Beach Rd	Enter info
1012 Mount Sinai Yacht Club Inc	244 Harbor Beach Rd	Enter info
1065 Ralph's Fishing Station Inc	250 Harbor Beach Rd	Enter info
Mount Vernon, Westchester		
292 West Vernon Terminal Corp., No. 1 Dock.	701 S. Columbus Avenue.	Complete
291 Canal Asphalt Dock.	800 Canal Street.	Enter info
295 Mobil Oil Corp., Mount Vernon Terminal Wharf.	89 Edison Avenue.	Enter info
296 Paterno Asphalt Corp. Dock.	7 Edison Avenue.	Enter info
294 Rossini Contracting Co., Mount Vernon Dock.	113 Edison Avenue.	Enter info
290 Sprague Energy	40 Canal Street.	Enter info
293 West Vernon Terminal Corp., No. 2 Dock.	701 S. Columbus Avenue.	Enter info
New Rochelle, Westchester		
818 Glen Island Yacht Club/West Harbor Yacht Service	101 Harbor Lane West	Complete
941 Hudson Park Bait & Tackle	94 Hudson Pk Rd	Complete
942 Huguenot Yacht Club	106 Harbor Ln	Complete
1016 New Rochelle Municipal Marina	22 Pelham Rd	Complete
1021 New York Sailing School	22 Pelham Rd	Complete
860 Castaways Yacht Club	425 Davenport Ave	Enter info

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LIS Dredged Material Disposal EIS Economic Survey Database

Navigation Dependent Facilities - Status of Surveys as of September 30, 2001

NY

Town, County Facility Name		Address	Status
297	City of New Rochelle, Neptune Park Dock.	Foot of Fort Slocum Road.	Enter info
947	Imperial Yacht Club Inc	583 Davenport Ave	Enter info
955	Jim Ross Yacht Sales	425 Davenport Ave	Enter info
989	Marina Restaurant & Bar	290 Drake Ave Fl 1	Enter info
1014	Neptune Boat Club	545 Davenport Ave	Enter info
1049	Polychron Marina Company	94 Hudson Park Rd	Enter info
1244	Snug Cove Marina	P.O. Box 137	Enter info
1395	Titus Mill Pond	16 Andrea Port	Enter info
1172	Wright Island Marina Inc	290 Drake Ave	Enter info
1243	Echo Bay Marine	7 Huguenot St	No Address
New Suffolk, --			
858	Capt. Marty's Fishing Station	1st St. & King St.	Enter info
Northport, Suffolk			
848	Britannia Yachting Ctr	81 Fort Salonga Rd # C	Complete
863	Centerport Yacht Club	Beach Plum Dr	Complete
271	Keyspan Energy, Northport Power Staion, Offshore Fuel Wharf.	Waterside Avenue at Eatons Neck	Complete
1026	Northport Village Dock	224 Main St	Complete
1027	Northport Yacht Club	11 Bluff Point Rd	Complete
1093	Seymour Boat Shops	63 Bayview Ave	Enter info
1170	Woodbine Marina	--	Enter info
Northville, Suffolk			
273	Tosco Corp., Riverhead Terminal Barge Pier.	212 Sound Shore Road.	Enter info
274	Tosco Corp., Riverhead Terminal Offshore Wharf.	--	Enter info
Orient, --			
1013	Narrow River Marina	5520 Narrow River Rd	Complete
1034	Orient By The Sea Marina	Main Rd	Complete
1035	Orient Yacht Club	PO Box 161, 2110 Village Ln	Enter
881	Cross Sound Ferry	41270 Route 25	Enter info
Oyster Bay, Nassau			
174	Commander Terminals, LLC	One Commander Square	Complete
1038	Oyster Bay Marine Ctr Inc	5 Bay Ave	Complete
1039	Oysterman's Dock Co Ltd	Bay Av	Complete
1090	Seawanhaka Corinthian Yacht Club	314 Yacht Club Rd	Complete
149	Commander Oil Corp., North Wharf.	1 Commander Square	Enter info
173	Frank M. Flower and Sons, Inc., Oyster Bay Pier.	Foot of Bayview Avenue.	Enter info
171	Jakobson Shipyard, Main Pier.	West End Avenue.	Enter info
172	Jakobson Shipyard, Marine Railway Pier.	West End Avenue.	Enter info
1246	Roosevelt Boat Basin	--	Enter info
1073	Roosevelt Memorial Park Marina	--	Enter info
1082	Sagamore Yacht Club Inc	Bay Ave	Enter info

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LIS Dredged Material Disposal EIS Economic Survey Database

Navigation Dependent Facilities - Status of Surveys as of September 30, 2001 NY

Town, County Facility Name	Address	Status
Peconic, Suffolk		
1000 Mill Creek Basin	P.O. Box 249	Enter info
Pelham Manor, Westchester		
303 Getty Terminal Corp., Pelham Manor Dock.	4301 Boston Road.	Enter info
305 Imperia Bros. Wharf.	57 Canal Road.	Enter info
304 J. Bass & Sons, Pelham Manor Dock.	6 Canal Road.	Enter info
Port Chester, Westchester		
1247 Fox Island Park Marina	35 Purchase St, Rye, NY	Complete
854 Cahill's Marina	99 Fox Island	Enter info
307 Coastal Lobster & Seafood Wharf.	1 Martin Place.	Enter info
310 Concavage Marine Contracting Corp., Port Chester Wharf.	87 Fox Island Road.	Enter info
306 Ebb Tide Boat Rentals Wharf.	1 Westchester Avenue.	Enter info
308 Peckham Materials Corp., Port Chester Dock.	1 Purdy Avenue.	Enter info
1051 Port Chester Municipal Marina	10 Pearl St	Enter info
1052 Port Chester Yacht Club	Fox Island Rd	Enter info
1162 Westchester Avenue Marina	1 Westchester Ave	Enter info
309 Westmore Fuel Co., Port Chester Wharf.	2 Purdy Avenue.	Enter info
Port Jefferson, Suffolk		
276 Miller Marine Services, Port Jefferson Mooring Dock.	146 Beach Street.	Complete
279 Brookhaven Town Marina.	West Broadway.	Enter info
859 Carafitis Fishing Station	232 Barnum Ave	Enter info
883 Danford's Inn Marina Conf Ctr	25 E Broadway	Enter info
278 Gotham Sand & Stone Corp., Port Jefferson Aggregate Wharf.	Beach Street.	Enter info
277 Gotham Sand and Stone Corp., Port Jefferson Tugboat Dock.	Beach Street.	Enter info
282 Keyspan Energy, Port Jefferson Power Station Wharf.	Beach Street.	Enter info
281 Mobil Oil Corp., Port Jefferson Terminal Pier.(now Port Jefferson Harbor Front Park)	East Broadway.	Enter info
327 Port Jefferson Harbor Complex	Village Hall, 121 West Broadway	Enter info
1054 Port Jefferson Town Marina	E Broadway & Main St	Enter info
1055 Port Jefferson Yacht Club Inc	130 W Broadway or W Main St	Enter info
1092 Setauket Yacht Club	Surf Ave	Enter info
1131 The Boat Place	217 W. Broadway	Enter info
280 The Bridgeport and Port Jefferson Steamboat Co., Port Jefferson Do	102 West Broadway.	Enter info
275 Tosco Pipeline Co., Port Jefferson Terminal,Petroleum Dock.	19 Beach Street.	Enter info
Port Washington, Nassau		
856 Brewer Capri East Marina Inc	45 Orchard Beach Blvd	Complete
1133 Brewer Capri Marina & Inspiration Wharf	405 Main Street	Complete
843 Brewer Capri West Marina	80 Orchard Beach Blvd	Complete
922 Gulfway Marine Svc	76 Shore Rd	Complete

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LIS Dredged Material Disposal EIS Economic Survey Database

Navigation Dependent Facilities - Status of Surveys as of September 30, 2001 NY

Town, County	Address	Status
Facility Name		
935 Haven Marina	12 Matinico Ave	Complete
962 Knickerbocker Yacht Club	433 Main St	Complete
967 Lager Yachts Brokerage Corp	403 Main St	Complete
976 Louie's Shore Restaurant	395 Main St	Complete
984 Manhasset Bay Marina	10 Matinico Ave	Complete
986 Manhasset Bay Sportsmen's Club, Inc.	36 Matinico Ave	Complete
1025 North Shore Yacht Club	73 Orchard Beach Blvd	Complete
816 Ventura Marina Management Corp DBA Inspiration Wharf	403-405 Main St	Complete
1155 W & W Marine	1 Orchard Beach Road	Complete
178 Barker Aggregates, Hempstead Harbor Wharf.	West Shore Road.	Enter info
176 Buchanan Marine, Hempstead Harbor Repair Wharf.	139 West Shore Road.	Enter info
876 Colony Marina	75 W Shore Rd # 44	Enter info
903 Fearon Marine Inc	70 Shore Rd	Enter info
177 Gotham Sand and Stone Corp., Port Washington Wharf.	West Shore Road.	Enter info
179 Kerry Webber Marine, Hempstead Harbor Pier.	West Shore Road.	Enter info
985 Manhasset Bay Shipyard	451 Main St	Enter info
987 Manhasset Bay Yacht Club	455 Main St	Enter info
1023 North Hempstead Town Dock	Lower Main St	Enter info
1053 Port Harbor Condominiums	372 Main St	Enter info
1059 Port Washington Yacht Club	1 Yacht Club Dr	Enter info
1067 Randazzo Yacht Mechanics Inc	12 Matinico Ave	Enter info
1072 Ron Holland Intl Yacht Designs	15 Orchard Beach Blvd	Enter info
1096 Shelter Harbour Marina	--	Enter info
1106 Sigsbee Sailing Ctr	24 Matinico Ave	Enter info
1143 Toms Point Marina	1 Sagamore Hill Dr	Enter info
Queens, Queens		
258 City of NY, Dept. of Environ. Prote, Tallmans Island Water Polluti	Foot of 128th Street extended.	Enter info
257 Quality Concrete of New York, Newtown Creek Dock. (No Longer in operation)	46-73 Metropolitan Avenue.	Enter info
Riverhead, --		
825 Atlantis Marine World	431 E Main St	Complete
1043 Peconic Riverfront Marina	210 Howell Ave	Complete
1149 Treasure Cove Resort Marina	469 E Main St	Complete
1071 Riverhead Yacht Club	68 River Ave	Enter info
Rye, --		
1101 Shenrock Shore Club	Milton Point	Complete
1258 Shongut Marine	668 Milton Rd.	Complete
754 Tide Mill Yacht Basin	191 Kirby Lane	Complete
1141 Tide Mill Yacht Basin Inc	191 Kirby Ln	Complete
821 American Yacht Club	Milton Point Rd	Enter info
1077 Rye Municipal Boat Basin	650 Milton Rd	Enter info

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LIS Dredged Material Disposal EIS Economic Survey Database

Navigation Dependent Facilities - Status of Surveys as of September 30, 2001

NY

Town, County Facility Name	Address	Status
Sag Harbor, --		
837 Blue Water Yacht Charters	Bay St	Complete
981 Malloy's Cove West Marina	Malloy's Cove West Marina	Complete
1001 Mill Creek Marina	3253 Noyac Rd	Complete
1068 Redwood Anchorage	40 Redwood Rd	Complete
1081 Sag Harbor Yacht Yard	53 Bay St	Complete
1105 Ship-Ashore Marina Inc	30 Redwood Rd	Complete
842 Breakwater Yacht Club Community Sailing Center	--	Enter info
886 David J Whelan Marine Constr	E Harbor Dr	Enter info
892 Dock House	Long Wharf	Enter info
939 Hidden Cove Marina Inc	51 Pine Neck Ave	Enter info
975 Long Wharf Village Pier	P.O. Box 660	Enter info
978 Malloy Enterprises	Bay St At The Waterfront	Enter info
979 Malloy Sag Harbor Cove East	1 W Water St, P.O. Box 1979	Enter info
980 Malloy Waterfront Marina	50 W. Water St, P.O. Box 1979	Enter info
1079 Sag Harbor Municipal Dock	55 Main St	Enter info
1080 Sag Harbor Yacht Club	27 Bay St	Enter info
1157 Waterfront Marina	1 Bay St, P.O. Box 1979	Enter info
832 Bayview Seafood Market	20 Bay St	No Address
Sea Cliff, --		
1086 Sea Cliff Yacht Club	42 The Blvd	Enter info
Shelter Island, --		
871 Coecles Harbor Marina and Boatyard	Hudson Ave, PO Box 1670	Complete
872 Coecles Harbor Marine	68 Cartwright Rd	Enter info
889 Dering Harbor Vlg-Maintenance	Locust Point Rd	Enter info
1098 Shelter Island Marina and Fishing Station Ltd.	--	Enter info
1111 South Ferry Inc	135 S Ferry Rd	Enter info
1135 The Island Boatyard and Marina	65 S Menantic Rd	Enter info
1145 Town Dock/Coecles Harbor	44 N. Ferry Rd	Enter info
1146 Town Dock/Dering Harbor	44 N. Ferry Rd	Enter info
Shelter Island Heights, Suffolk		
1046 J.W. Piccozzi, Inc. D/B/A Dering Harbor Marina	3034 Bridge Rd	Complete
1099 Shelter Island Yacht Club	12 Chiquot Ave / PO Box 546	Complete
951 Jack's Marine	188 N. Ferry Rd	Enter info
286 North Ferry Co., Shelter Island Heights Dock.	Foot of State Route 114.	Enter info
1066 Ram's head Inn	Ram Island Dr	Enter info
Shoreham, Suffolk		
283 Keyspan Energy, Inc., Shoreham Plant Wharf.	North Country Road.	Enter info
Smithtown, --		
1433 Suffolk County Dept. of Public Works	Nissequoque River	Complete

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LIS Dredged Material Disposal EIS Economic Survey Database

Navigation Dependent Facilities - Status of Surveys as of September 30, 2001 NY

Town, County Facility Name		Address	Status
1432	Suffolk County Dept. of Public Works	Mt. Sinai Harbor	Complete
852	Brookhaven Town Dock	--	Enter info
959	Kings Park Bluff	65 Maple Ave	Enter info
1109	Smithtown Long Beach Marina	--	Enter info
1334	Town of Smithtown	--	Enter info
South Jamesport, --			
916	Great Peconic Bay Marina	Washington Ave	Complete
895	East Creek Marina	Town Beach Rd	Enter info
1262	Riverhead Town Marina	--	Enter info
Southampton, --			
878	Conscience Point	1976 N Sea Rd	Enter info
885	Dave Bofill Marine Inc	781 North Hwy	Enter info
909	Gateway Marine	1598 County Road 39	Enter info
991	Mariners Cove Marine	790 North Hwy	Enter info
1042	Peconic Restaurant & Marina	1109 Noyac Rd	Enter info
1136	The Lobster Inn	162 Inlet Rd	Enter info
Southold, --			
1431	Suffolk County Dept. of Public Works	Goldsmith Inlet	Complete
819	Albertson Marine, Inc.	61500 Main Rd, PO Box 937	Enter info
846	Brick Cove Marina	1670 Sage Blvd	Enter info
913	Goldsmith's Boat Shop, Inc.	Main Rd	Enter info
1265	Mill Creek Inn Marina	--	Enter info
1057	Port Of Egypt Marine	62300 Main Rd	Enter info
1113	Southold Marine	Main Rd	Enter info
1115	Southold Yacht Club	N Parish Dr	Enter info
1137	The Old Barge Bar and Restaurant	750 Old Main Rd	Enter info
1158	Wego Fishing Bait & Tackle Inc	61850 Route 25	Enter info
1264	Young's Boat Yard and Marina	--	Enter info
St James, --			
1108	Smithtown Bay Yacht Club Inc	Long Beach Rd	Enter info
Stony Brook, --			
1124	Stoney Brook Boat Works	PO Box 181, Shore Rd	Resent
1125	Stony Brook Yacht Club	PO Box 755	Resent
Whitestone, Queens			
260	Grace Associates, Whitestone Dock.	151-17 Sixth Road.	Enter info

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LIS Dredged Material Disposal EIS Economic Survey Database

Navigation Dependent Facilities - Status of Surveys as of September 30, 2001

RI

Town, County Facility Name	Address	Status
Block Island (New Shoreham), --		
1178 Block Island Boat Basin	Jobs Hill P.O. Box 369	Complete
1352 Harbor Road Yacht Basin	P.O. Box G	Complete
1363 New Harbor Rental Moorings	P.O. Drawer 220	Complete
1382 Town of New Shoreham Dock	Water St. - PO Drawer 220	Complete
1180 Block Island Maritime Inst	Center Rd	Enter info
1181 Block Island Town Moorings	Old Town Rd	Enter info
1183 Champlin's Hotel and Marina	New Harbor	Enter info
1196 New Shoreham Harbor Master	Water	Enter info
1202 Payne's Dock	Ocean Ave	Enter info
1209 Smugglers Cove Marina	521 Connecticut Ave	Enter info
1212 Twin Maples	Beach Ave	Enter info
Charlestown, --		
1208 Shelter Cove Marina	PO Box 85, 523 Charlestown Beach Rd	Complete
1184 Charlestown Harbor Master	228 Old Coach Rd	Enter info
1190 Javelin Yachts	27 Lincoln Rd	Enter info
1192 Lavin's Landing	60 Sportsman Rd	Enter info
1199 Ocean House Marina Inc	60 Town Dock Rd	Enter info
Narragansett, --		
1182 Captain's Tackle	33 State Street	Complete
1195 Narragansett Dock Works Inc	14 Gull Rd	Complete
1204 Rhode Island Engine Co. ATTN: Jay Gallup	PO Box 543, 79 State St	Enter
1193 Long Cove Camp Sites & Marina	325 Point Judith Rd	Enter info
1360 Mettatuxet Improvement Association	South River Rd	Enter info
1370 Point Judith Yacht Club	Salt Pond Rd	Enter info
1205 Port Side Restaurant	321 Great Island Rd	Enter info
1210 Tiffany's At The Pier House	113 Ocean Rd	Enter info
1214 Village Inn-Narragansett Pier	1 Beach St	Enter info
1179 Block Island Ferry	307 Great Island Rd (remailed to New London Office)	Resent
1186 Ferry Wharf Fish Market	PO Box 3189, 296 Great Island Rd	Resent
1211 Town Dock Fish Inc	PO Box 608, 45 State St	Resent
Providence, --		
501 Goff & Page Co	765 Allens Ave.	Resent
Wakefield, --		
1369 Point Judith Marina	360 Gooseberry Rd	Complete
1373 Salt Pond Marine Railway, Inc.	43 Perrywinkle Rd	Complete
1381 Stone Cove Marina Inc	134 Salt Pond Rd	Complete
1343 Billington Cove Marina Inc	557 Pond St	Enter info
1345 Cap'n Jack's Marina	706 Succotash Rd	Enter info
1350 Gooseberry Marina & Dock Bldg	392 Gooseberry Rd # F	Enter info

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LIS Dredged Material Disposal EIS Economic Survey Database

Navigation Dependent Facilities - Status of Surveys as of September 30, 2001

RI

Town, County Facility Name		Address	Status
1354	Jim's Dock Inc	109 Succotash Rd	Enter info
1355	Kenport Marina	650 Succotash Rd	Enter info
1356	Kenport Marina Fish Market	650 Succotash Rd	Enter info
1359	Marina Bay Docking	210 Salt Pond Rd	Enter info
1362	Narragansett Yacht Repair Inc	11 Sherman Rd	Enter info
1366	Ocean State Marine Railway, Inc.	--	Enter info
1371	Pointview Marina	11 Sherman Rd	Enter info
1372	Ram Point Marina Inc	2 William Schmid Dr	Enter info
1375	Silver Spring Marine	362 Pond St	Enter info
1376	Skip's Dock	1161 Succotash Rd	Enter info
1378	Snug Harbor Marina	410 Gooseberry Rd	Enter info
1379	Southern View Marina	392 Gooseberry Rd # D	Enter info
1384	URI Saling Club	206 Salt Pond Rd	Enter info
Weekapaug, --			
1390	Weekapaug Marina	--	Enter info
West Kingston, --			
1177	The Bait Company	525 Kingston Rd	Resent
Westerly, --			
1188	Grays Boat Yard Inc	91 Watch Hill Rd	Complete
1203	Pier 65 Marina	65 Margin St	Complete
1215	Watch Hill Boat Yard Inc	21 Pasadena Ave	Complete
1389	Watch Hill Yacht Club	P.O. Box 2933	Complete
1391	Weekapaug Yacht Club	23 Spray Rock Road	Complete
1216	Westerley Yacht Club	1 Watch Hill Rd	Complete
1176	Avondale Boat Yard Inc	47 Avondale Rd	Enter info
1185	Covedge Bait & Tackle	93 Watch Hill Rd	Enter info
1187	Frank Hall Boat Yard Inc	3 India Pt	Enter info
1189	Hob Yacht Sales Inc	3 India Pt	Enter info
1194	Lotteryville Marina	25 Avondale Rd	Enter info
1197	New Weekapaug Bait & Tackle	660 Atlantic Ave	Enter info
1206	Richard's Marine Repair Svc	19 Margin St	Enter info
1386	Viking Marina	19 Margin St	Enter info
1217	Westerly Marina	41 Margin St	Enter info

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APPENDIX C

CONTACT LIST USED FOR SURVEYS

LIS Dredged Material Disposal EIS Economic Survey Database

Contact List Used for Surveys

CT

Town	Contact Name		Title	Address
	Richard	Brown	City Manager (Harbormaster)	
Branford	Ronald	Reis	Harbormaster	8 Rockland Park
Bridgeport	Joseph C.	Savino, Jr.	Harbormaster	225 Crestview Drive
Bridgeport	Cee Jay	Stiles	Deputy Harbormaster	One Bostwick Avenue
Clinton	Jeffrey P.	Colvin	Harbormaster	116 Kelseytown Road
Darien	Robert P.	Price	Harbormaster	33 Chasmars Pond Road
Darien	Eugene F.	McGarry	Deputy Harbormaster	18 Stoney Brook Road
Deep River	Thomas J.	Griffin	Harbormaster	198 Main Street
Deep River	Charles	Phelps	Deputy Harbormaster	104 Kirkland Street
Deep River	Paul F.	Riggio	Harbormaster	252 Bushy Hill Road
East Haven	Anthony D.	Moscato, Sr.	Harbormaster	81 Cosey Beach Avenue
Essex	Ernest	Libby	Deputy Harbormaster	P.O. Box 15
Fairfield	Patrick L.	Carroll	Harbormaster	94 Henderson Road
Glastonbury	Richard H.	Inman	Harbormaster	233 Tall Timbers Road
Greenwich	Joseph A.	Siciliano	Harbormaster	101 Field Point Road
Groton	Aubrey J.	Hamilton	Harbormaster	100 Westwood Drive
Groton Long Point	David B.	Walker, Jr.	Harbormaster	48 Middlefield Street
Guilford	William Jr.	Moher	Harbormaster	349 Lake Drive
Hartford	Joseph	Musumeci	Deputy Harbormaster	148 Kenyon Street
Lyme	Gary H.	Reynolds	Harbormaster	271 Hamburg Road
Madison	J. Bradford	Allin	Deputy Harbormaster	10 Sandgate Circle
Madison	Ernest W.	Small	Harbormaster	P.O. Box 917
Middletown	Timothy	Hunt	Harbormaster	10 Evergreen Avenue
Milford	Mead W.	Batchelor	Harbormaster	24 Ward Street
Milford	Lawrence A.	Bodick	Deputy Harbormaster	699 Wheelers Farm Road
Mystic	Rodman	Greene	Harbormaster	2 Rogers Drive
Mystic	Rufus	Allyn	Harbormaster	Ram Point, Masons Island
New London	William T.	Morrissey	Harbormaster	11 Franklin Street
New London	Paul	Lewis	Deputy Harbormaster	29 Darrow Street
New London	David	Rossiter		Office of Water Transportation, Bureau of Aviation and Ports
Niantic	Joseph L.	Selden, Jr.	Harbormaster	190 Roxbury Road
Noank	James	Giblin	Harbormaster	29 Chesbro Avenue
Norwalk	Clyde J.	Mount	Deputy Harbormaster	19 Cossitt Road
Norwalk	Michael	Griffin	Harbormaster	7 Donohue Drive
Norwich	Walter	Saletnik	Harbormaster	130 W. Thames Street
Old Lyme	Glen S.	Abrahamsson	Deputy Harbormaster	2 Foggy Meadow Lane
Old Lyme	Bradford	Ficken	Harbormaster	17 Browns Lane
Old Saybrook	Grant W.	Westerson	Harbormaster	P.O. Box 378, Shady Run
Pawcatuck	Mark W.	Tebbets	Harbormaster	14 Sunrise Avenue
Stamford	Donald B.	Sherer	Harbormaster	111 Prospect Street
Stamford	Robert J.	Strada	Deputy Harbormaster	123 Harbor Drive, Unit 502
Stonington	Nancy	Gibson	Harbormaster	23 Cemetery Road
Stonington	Bryan	Chesebrough	Deputy Harbormaster	134 Elm Street
Stonington	Robert W.	Tabor	Harbormaster	13 Boulder Avenue
Stratford	Al	Grunow	Harbormaster	60 Deerfield Drive

05-Sep-01

LIS Dredged Material Disposal EIS Economic Survey Database

Contact List Used for Surveys

CT

Town	Contact Name		Title	Address
Stratford	Ross	Hatfield	Deputy Harbormaster	300 Pilgrim Lane
Waterford	John	Lane	Harbormaster	71 Oil Mill Road
Waterford	David W.	Crocker	Harbormaster	64 Pepperbox Road
West Hartford	James P.	Birbara	Harbormaster	85 Montclair Drive
West Haven	Michael	Pimer	Harbormaster	37 Warner Avenue
Westbrook	Leonard J.	Mierzejewski	Harbormaster	35 Mink Rock Circle
Westbrook	David	Russell	Deputy Harbormaster	88 Magna Lane
Westport	John J.	Howell, Jr.	Deputy Harbormaster	46 Hills Lane
Westport	John J.	Guinta, Jr.	Harbormaster	4 Guard Hill Road
Wethersfield	Charles	Forsdick	Deputy Harbormaster	18 Monticello Drive
Wethersfield	Earle E.	Munroe	Harbormaster	855 Ridge Road

05-Sep-01

LIS Dredged Material Disposal EIS Economic Survey Database

Contact List Used for Surveys

NY

Town	Contact Name		Title	Address
	Charles	Bartha	Commissioner, Dept. of Public Works	Suffolk County Dept. of Public Works
	Dewitt	Davies		Suffolk County Planning Dept.
City Island	Peter	LaScala	President, Chamber of Commerce	19 Schofield Street
Glen Cove	Daniel	Russell	Harbormaster's Office	Bridge Street
Halesite	Honorable Herbert F.	Morrow	Mayor	Village of Huntington Bay
Huntington	ATTN: Joseph J.	Anastasia, II	Director Department of Maritime Services	Huntington Town Hall
Locust Valley	Honorable Clarence F.	Michalis	Mayor	Village of Lattingtown
Mamaroneck	James	Athey		Mamaroneck-Larchmont Coastal Zone Management Commission
Mamaroneck	Lillian	Andrews		Town of Mamaroneck-Village of Larchmont Coastal Zone Management Commission
Mamaroneck	ATTN: James	Mancusi	Harbormaster	Village Hall
Mamaroneck	Mary	Landrigan	Co-Chair	Village of Mamaroneck Coastal Zone Management Commission
Manhasset	Jennifer	Thalhauser	Commissioner of Planning	Town of North Hempstead, Manhasset Bay Protection Committee
Medford	Jeffrey P.	Kassner	Director	Town of Brookhaven Division of Environmental Protection
Medford	Peter	Kortrakus (sp?)	Harbormaster	Brookhaven Department of Conservation
Mill Neck	Honorable Theodore	Smith	Mayor	Frost Mill Road
Mineola	Brian	Schneider	Deputy Commissioner	Nassua County DPW
New York	Wilbur	Woods	Director, NYC Department of City Planning	Planning Management and Support Waterfront and Open Space Division
Northport	Honorable Peter J.	Nolan	Mayor	224 Main Street
Oyster Bay	Honorable John M.	Williams	Mayor	Village of Center Island
Oyster Bay	Honorable Michael S.	Peragine	Mayor	Village of Oyster Bay Cove
Oyster Bay	Honorable Thomas R.	Zoller	Mayor	Village of Cove Neck
Port Chester	Michael P.	Murphy		Village of Port Chester
Port Jefferson	Robert	Sisler		121 West Broadway
Port Washington	Honorable Leonard	Wurzel	Mayor	Incorporated Village of Sands Point
Port Washington	Honorable Gary	Pagano	Mayor	Village of Manorhaven, Village Hall
Riverhead	Richard	Hanley	Planning Director	Town of Riverhead
Roslyn	Honorable Joel	Pasnik	Mayor	Village of Roslyn
Roslyn Harbor	Honorable Gerson	Strassberg	Mayor	Village of Roslyn Harbor
Rye	Frederick E.	Zepf	City Planner	City Hall
Rye	ATTN: Peter	Fox		City of Rye Boat Basin
Sag Harbor	ATTN: Edward	Barry	Harbormaster	Village of Sag Harbor
Sea Cliff	Honorable Claudia	Moyne	Mayor	Village of Sea Cliff
Shoreham	Honorable Virginia	Tastrom	Mayor	P.O. Box 369
Smithtown	Russell K.	Barnett	Supervisor of Environmental & Waterways	124 West Main Street
Southold	ATTN: Al	Krupski	Town Planner	Box 1179
St. James	Lawrence	Swanson	Co-Chairperson	Village of Head-of-the-Harbor Joint Coastal Management Commission
St. James	ATTN: Michael	Kaufman		Village of Nissequogue
Syosset	Honorable E. Richard	Droesch	Mayor	Village of Laurel Hollow
Syosset	ATTN: Richard	Lenz	Commissioner of Public Works	Town of Oyster Bay
White Plains	Charles K.	Miles, P.E.	Assistant Commissioner	Westchester County DPW, Michaelian Office Building
Yaphank	Bill	Shannon	Chief Engineer	Suffolk County DPW

05-Sep-01

LIS Dredged Material Disposal EIS Economic Survey Database

Contact List Used for Surveys

RI

Town	Contact Name		Title	Address
Block Island	ATTN: Larry	Constantine	Harbormaster	Town of New Shoreham Harbors Division
Charlestown	Len	Wood	Harbormaster	4540 South County Trail
Narragansett	Luther	Feethy	Harbormaster	975 Point Judith Road
Wakefield	Barry	Ennis	Harbormaster	1790 Kingstown Road
Westerly	J. David	Smith, Chief	Harbormaster	5 Union Street

05-Sep-01

APPENDIX D

QUESTIONNAIRE PACKAGE

APPENDIX D

QUESTIONNAIRE PACKAGE

This appendix includes a copy of the materials sent to all facilities during the survey. All packages included the cover letter dated May 15, 2001, Fact Sheet #2 (updated May 2001), and the questionnaire. In addition, each package included one of 25 maps covering the study area. Each facility received a map of their specific area and a list of other facilities in that area. Included in this appendix is a copy of each of the 25 maps used. The maps were included to assist in locating each facility. The list of facilities in each map area was included a part of a request for assistance in reviewing the list of facilities for completeness.



DEPARTMENT OF THE ARMY
NEW ENGLAND DISTRICT, CORPS OF ENGINEERS
696 VIRGINIA ROAD
CONCORD, MASSACHUSETTS 01742-2751

REPLY TO
ATTENTION OF

May 15, 2001

Engineering/Planning Division
Planning Branch

Dear Marine Facility Owner/Operator:

The purpose of this letter is to request your assistance in developing information necessary to estimate the current and future needs for dredging within your area. In addition, we will be evaluating dredged material disposal options and their related economic impacts. This information will be used by the Army Corps of Engineers and the U.S. Environmental Protection Agency in preparing an Environmental Impact Statement (EIS) for addressing dredged material disposal for Long Island Sound. Enclosed is a fact sheet that describes the EIS and its purpose.

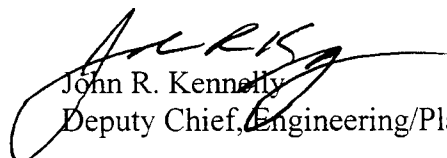
An important part of the EIS is the determination of the economic impact of alternative dredged material disposal sites. The Corps of Engineers has contracted with ENSR International, a private consulting firm, to perform a detailed survey of all federal, state, and private dredging areas in the Long Island Sound study area. There are two purposes of this survey. The first is to identify all potential areas to be dredged and assist us in determining the total volume of dredged material for which disposal sites are needed over the next 20 years. The second purpose is to gather information to determine the economic impact on facilities of different disposal options including the "no designated disposal site" option.

Your participation in this survey is voluntary. Your response is very important and will assist us on your behalf. Unlike most surveys where averages are used, the information gathered from your response will be added with other responses to compute total needs for the future. Only summaries of the results will be published. **Your responses will be confidential.** Please return the completed survey within two weeks of receipt.

We are relying on local knowledge to identify those private facilities which will require dredging. We appreciate your assistance in identifying these facilities through your direct knowledge and through contacts with whom ENSR can speak directly. We have enclosed a list of facilities which we have identified in your immediate area.

Thank you for your invaluable assistance. For questions about this questionnaire and its processing, please contact Pete Jackson, ENSR, at (978) 589-3000 (email: pjackson@ensr.com). If you have questions regarding the use of your responses, please contact Richard Ring, Corps of Engineers, at (978) 318-8643 (email: richard.j.ring@usace.army.mil).

Sincerely,


John R. Kennelly
Deputy Chief, Engineering/Planning Division

Enclosures (3)



United States
Environmental
Protection Agency

US Army Corps
of Engineers
New England District



LONG ISLAND SOUND DREDGED MATERIAL DISPOSAL EIS EIS Work Plan and Process

BACKGROUND

The U.S. Environmental Protection Agency (EPA) and the U.S. Army Corps of Engineers (the Corps) are preparing an Environmental Impact Statement (EIS) that will consider the potential designation of one or more dredged material disposal site(s) in the waters of Long Island Sound (LIS). This proposed action is required under Section 102 (c) of the Marine Protection, Research and Sanctuaries Act (MPRSA) and 40 CFR 230.80 of the regulations of the EPA under Section 404 of the Clean Water Act (CWA). The EIS will be prepared in accordance with the National Environmental Policy Act (NEPA), and the Council on Environmental Quality (CEQ) Regulations (40 CFR 1500 et seq.).

Dredged material has been disposed of at the existing sites known as the Western Long Island Sound (WLIS), the Central Long Island Sound (CLIS), the Cornfield Shoals (CSDS), and the New London Disposal (NLDS) sites pursuant to programmatic and site designation EIS's released by the Corps in 1982 and 1991. This site-designation EIS will provide the information needed for EPA's decision on whether one or more dredged material disposal sites will be designated under the MPRSA and identified in advance under the CWA. The EIS will include analyses applying the five general and eleven specific site selection criteria for designating ocean disposal sites presented in 40 CFR Parts 228.5 and 228.6 and the CWA Section 404(b)(1) guidelines. In addition, the impact criteria in 40 CFR 228.10 will be used to assess impacts of the current use of the existing sites and alternative open water sites.

WHAT'S IN THE EIS

An EIS provides information on the effects of the proposed action and alternatives on environmental and

socioeconomic resources. This enables the decision maker (in this case, the EPA) to make an informed decision as required by NEPA. To arrive at a decision on site designation, the following information will be included in the EIS:

- The purpose and need for designation of one or more dredged material disposal site(s) in the waters of LIS
- A description and evaluation of alternatives to disposal of dredged material at the existing open water sites
- A description of the affected environment, including the general setting of LIS and for each site evaluated
- An assessment of the environmental and socio-economic effects, including direct, indirect and cumulative impacts of alternatives to dredged material disposal at the existing open water sites
- A ranking of the disposal site alternatives
- A review of the proposed action's compliance/consistency with environmental laws, regulations and programs
- Site management and monitoring plans for open water sites
- A summary of the EIS public involvement process.

WORK PLAN

The Work Plan includes tasks to be conducted before the EIS document is prepared. These tasks are listed below. Many already have been initiated.

- Public involvement plan preparation and implementation
- Dredging needs inventory
- Identification of alternatives
- Alternative site screening process

- The boundaries of the study area (called the Zone of Siting Feasibility, or the ZSF)
- Data review to identify gaps and initiation of a field program to collect data needed to characterize the existing environment within the ZSF.
- Preparation and distribution of the document for public review and comments, first as a draft and then as a final
- Record of Decision (ROD) and a Final Rulemaking on the decision.

These steps are further described below.

Public Involvement Plan

(updated May 2001)

The public involvement activities have begun on this EIS. A Notice of Intent announcing the EIS process was published in the Federal Register on June 3, 1999. Three public scoping meetings were held in June 1999 in Stony Brook, NY and Groton and Stamford, CT. A report titled "Long Island Sound Site Designation, Environmental Impact Statement: Summary of Scoping Meetings" provides an overview of the comments and issues presented at the meetings. Public workshops were also held in Port Jefferson, NY and Stratford, CT in October 1999; and Port Jefferson, NY and Groton, CT in April 2000.

Fact sheets prepared for these workshops are available for downloading at EPA's LIS Web Site: www.epa.gov/region01/eco/lisdrag/.

The Work Plan is a flexible, evolving document that will be continually modified and detailed as the EIS progresses. The Work Plan is available on the EPA's LIS Web Site.

The public is invited to actively participate in the preparation of the EIS as well to provide review and

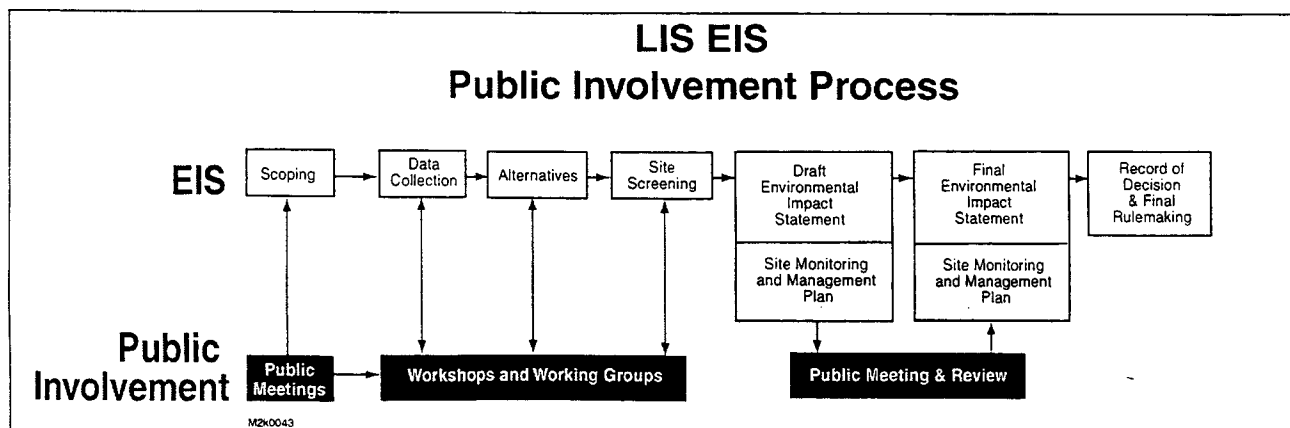
comment at critical points during the process. Depending on individuals' time constraints and degree of interest in specific topics, there are varying levels of input and involvement available to the public.

- **Fact sheets** are being prepared and distributed to a wide-reaching distribution list to inform the public as the project progresses.
- **Workshops** are being held at critical points in the process to receive input on tasks recently completed and on recommendations regarding the next step in each task
- **A Working Group** has been established for input on the selection of alternatives and ultimately the screening and selection of sites for analysis in the EIS. This group has been actively involved in providing input and recommendations to the information gathered for the EIS. The group includes members of the public who volunteered and are committed to resolving critical issues associated with key decisions as the EIS process continues. If you are interested in learning more about the Working Group. Please contact Ann Rodney (see bottom of last page).

Dredging Needs Inventory

The dredging needs inventory is important to characterize both the volume and quality of dredged material in need of disposal over the next 20 years. This inventory will address historic trends and will project future volumes.

A review of historic projects has been initiated and an assessment of future volumes will be conducted based on interviews with harbor users within the coastal communities of LIS. Each harbor in Connecticut, New York and Rhode Island (east to Point Judith) will be included in the analysis. Data/projections will be described by source (e.g. federal civil works, other federal, state and municipal, and private) with assumptions made as to the anticipated quality of the



material and suitability for alternative disposal sites/methods.

Alternatives

As required by NEPA, the EPA and the Corps will evaluate the existing disposal sites, and additional alternatives including other open water disposal sites, other types of dredged material disposal and management, and the no action alternative. Specifically, four types of disposal alternatives are under consideration: open water disposal; beneficial reuse; upland disposal; and treatment technologies. Also considered will be the "no action" (or "no designation") alternative.

The alternatives section of the EIS will discuss and contrast alternative disposal sites and methods, including those which are not considered reasonable or feasible. Different types of disposal (e.g. containment islands, nearshore sites, borrow pits, confined aquatic disposal sites, and beach nourishment) will be evaluated and a matrix prepared comparing benefits, impacts and costs of each. Each alternative site resulting from the screening process will be evaluated and ultimately ranked based on environmental factors, economic feasibility and engineering feasibility.

Affected Environment

The affected environment is defined as the Zone of Siting Feasibility (ZSF). Since the October 1999 workshops, the ZSF has been defined for each of the alternative disposal options.

- **Open Water Disposal** - From Hell's Gate eastward through LIS, to Fishers Island, Gardiners Bay, Peconic Bay, the waters adjacent to Montauk, NY, to Block Island Sound as far east as Point Judith, RI.
- **Upland Disposal** - All lands within the following political jurisdictions:
 - ❖ New York - Westchester, Bronx, Queens, Brooklyn, Suffolk and Nassau counties
 - ❖ Connecticut - All counties in the state
 - ❖ Rhode Island - Washington county
- **Beneficial Uses** - The area within both the Open Water Disposal ZSF and the Upland Disposal ZSF

The ZSF for Confined Disposal Facilities (CDF) is a subset of the beneficial use areas and includes the open waters of LIS and upland areas to the inland boundary of the states' respective coastal zones.

For each of the ZSF's, biological, physical, chemical, socioeconomic and cultural resources will be described. Existing data will be used as well as information gathered through field investigations and interviews. A general section will be included in the EIS that describes the setting for the entire LIS region. For the existing and alternative open water sites, the description will be specific to each candidate disposal site. For upland and beneficial use sites, a general setting description will be followed by a description of the range of sites considered. The following is a list of topics to be addressed in the section describing the **entire LIS region**.

- **Physical setting:** water quality, geology, meteorology, physical oceanography
- **Biological resources:** plankton, benthos, fish and shellfish, wildlife, endangered and threatened species
- **Socioeconomic resources:** general fishing activities, shipping/navigation, beaches, parks/natural areas, historic and archaeological resources, other human uses (swimming, recreation diving, cable pipeline locations, military, mining activities).

For the existing and alternative **open water sites**, the following resources will be described.

- **Physical setting:** water quality, sediment quality, side scan sonar data, bathymetry, current speed and direction
- **Biological resources:** benthos, fish, shellfish and fishing activities
- **Socioeconomic resources:** other human uses, including potential for historic shipwrecks.

For **upland and beneficial use sites**, the following resources will be described:

- General setting and land uses and zoning
- Soils, vegetation
- Water resources (surface and ground)
- Biota (wetlands, aquatic life, wildlife, endangered species)
- Historic and archaeological resources
- Socioeconomic resources
- Human uses.

The analyses will be supported with graphic output from the geographic information system (GIS) database for the region.

Environmental and Socioeconomic Consequences

The impact analyses will be highly analytical and in depth, based on a thorough review of the scientific literature and studies both through research and data collected by the Disposal Area Monitoring System (DAMOS) program and the field efforts, and through studies and current research. The analyses will be based on the site selection (228.5 and 228.6) and impact criteria (228.10) in the MPRSA and, as applicable, Section 404(b)(1) guidelines and other pertinent federal and state laws and regulations. Any applicable models will be used to quantify impacts as much as possible.

For each type of disposal method and candidate sites (open water, beneficial, upland and treatment technologies) the temporary, short-term and long-term direct, indirect and cumulative effects will be assessed, applying the same categories described for the affected environment.

Compliance/Consistency with Environmental Laws, Regulations and Programs

For the preferred disposal alternative, the appropriate federal, state and local environmental laws, regulations and programs will be reviewed, including the following:

- Clean Water Act, Section 404 (b)(1) guidelines
- MPRSA site selection criteria
- Coastal Zone Management Act (for Connecticut, New York and Rhode Island, if applicable)
- Endangered Species Act
- Magnuson-Stevens Fishery Conservation and Management Act
- National Historic Preservation Act
- Fish and Wildlife Coordination Act

- Marine Mammal Protection Act
- Clean Air Act
- Appropriate Federal Executive Orders and Memorandums
- Appropriate state or regional comprehensive conservation and management plans.

Preparation of the Draft and Final EIS

The above-described analyses will be presented in a Draft EIS and distributed for public review and comment as required by NEPA. Following a public meeting and review, all comments will be considered, and a response to comments will be prepared. A Final EIS will be prepared based on the comments received on the Draft EIS.

Development of Draft and Final Site Monitoring and Management Plans (SMMP)

For any open water site proposed for designation, a draft and final Site Monitoring and Management Plan (SMMP) will be prepared as required under Sections 102 (c)(3) of the MPRSA. The SMMP(s) will be prepared as stand-alone document(s). Summaries of the plan(s) will be included in the EIS.

Record of Decision and Final Rulemaking

The Record of Decision (ROD) will be published in the Federal Register along with the Final Rulemaking.

For more information, please contact Ann Rodney, US EPA, 1 Congress Street, Suite 1100, CWQ, Boston, MA 02114-2023, 617-918-1538 (tel), 617-918-1505 (fax), rodney.ann@epa.gov (email), or visit our Web Site at www.epa.gov/region01/ecollisregl.

SURVEY OF NAVIGATION DEPENDENT FACILITIES
LONG ISLAND SOUND

(Questionnaire)

OMB 0710-0001

Expires: 31 March 2002

Public reporting burden for this collection of information is estimated to average 30 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Respondents should be aware that, notwithstanding any other provision of law, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a current valid OMB control number. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Department of Defense, Washington Headquarters Services, Directorate of Information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington, Virginia, 22202-4302. Please DO NOT RETURN your questionnaire to this address.

**Questionnaire for
Dredging Needs Study
Survey of Navigation Dependent Facilities
Long Island Sound**

1. Name and Address of Facility (Business name):

Please note any corrections to the name or address in the space below:

Name of Facility _____
 Street address _____
 City/Town _____, State _____, Zip _____

2. Your Name and Phone number (include your title/position with the facility):

Name _____, Title _____ Phone No. _____

3. Latitude/longitude coordinates of facility (if known) _____ Lat. _____ Long. (NAD 27 or NAD 83) or Please mark the location of this facility on the attached map.

4. Ownership Status (Please Check One)

- ☐ Public
☐ Private

5. Nature of Business (If selecting more than one, please provide % for each category):

	% for each (use revenue/sales)
<input type="checkbox"/> Finfish [0912]	_____
<input type="checkbox"/> Shellfish [0913]	_____
<input type="checkbox"/> Other Commercial Fishing (inc. hatcheries) [0919]	_____
<input type="checkbox"/> Water Transportation of Freight [441]	_____
<input type="checkbox"/> Water Transportation of Passengers [448]	_____
<input type="checkbox"/> Marine Cargo Handling [4491]	_____
<input type="checkbox"/> Towing and Tugboat Services [4492]	_____
<input type="checkbox"/> Marinas (includes harbormasters, Yacht Clubs, town facilities) [4493]	_____
<input type="checkbox"/> Ship & Boat Building and Repair [373]	_____
<input type="checkbox"/> Bait & Tackle, Fishing Equipment [5941]	_____
<input type="checkbox"/> Other (please describe) _____	_____
_____	100%

6. Facility Operator (Firm)

Name: _____
Mailing Address: _____
City/Town _____ State: _____ Zip Code: _____
Telephone Number _____
email address (optional): _____

7. Facility Owner (Firm):

Name: _____
Mailing Address: _____
City/Town _____ State: _____ Zip Code: _____
Telephone Number _____
email address (optional): _____

8. Please provide the following information about your business:

Number of employees: _____ part-time or seasonal, _____ full time

DEEP DRAFT FACILITIES – Please answer the following questions if your facility is a large commercial shipping facility. If your facility is a marina, yacht club or similar business, not requiring deep draft, please proceed to question #11.

9. What are the current dimensions of your berth(s)? Please include approximate length, width, and depth of each, if possible.

10. What is the deepest draft vessel, with safe underkeel clearance, that can use your facility?

Please proceed to question #15

MARINAS, YACHT CLUBS, other BUSINESSES

11. What is the total number of slips and moorings, including overnight accommodations provided by your facility? _____

12. What is the total number and types of vessels (Sail/Power) that are maintained and serviced by your facility? Sail _____, Power _____

13. What is the deepest draft vessel, with safe underkeel clearance, that can use your facility?

14. What types of marine related services are provided by your business (pump-out/ water/ elec, etc)?

- ☐ Pumpout
- ☐ Electricity
- ☐ Water
- ☐ Fuel
- ☐ other _____

Please proceed to question #15

ALL FACILITIES

15. Would additional and/or more frequent dredging contribute to the economic viability of your facility?

- ☐ Yes
- ☐ No
- ☐ Don't know

16. When was the last time your facility was dredged? Date _____(year is OK).

What quantity was dredged? _____cubic yards.

What was the unit cost? \$_____ per cubic yard? If not available, total cost \$_____. (Cost, whether unit or total, should include testing and permitting and associated costs)

Disposal site(s) used for dredged material? _____

Note: If you do not have this information but know who does, please provide the name, company, phone number so we may contact them.

17. Do you plan to dredge at your facility in the next 20 years? Please do not allow potential institutional constraints, such as type of material to be dredged, disposal options, or state and federal permit requirements, to influence your answer to this question.

- ☐ Yes
- ☐ No
- ☐ Don't know

18. If you answered No to #17, please skip to # 25.

19. If you answered Yes or Don't Know to #17, please proceed to #20 on the next page.

20. If you plan to dredge in the next 20 years, will the dredging be for the maintenance of existing facilities to previously approved dredged depth, to provide for new expanded facilities, or both?

- ☐ Maintenance only (proceed to question #21)
☐ Improvement/expansion (proceed to question #22)
☐ Both maintenance and improvement (proceed to question #21)

21. **Maintenance Dredging** - If you plan to dredge for the maintenance of existing facilities, such as dredging existing slips, please estimate approximately when and what volume of material you plan to dredge. Any dredging to provide new facilities, such as adding new slips, should not be listed here, because it will be addressed separately in #22 below. For estimating when future maintenance dredging will occur, the next 20 years are broken into 5-year increments. Please estimate in which of those 5-year increments you plan to dredge, and write in the approximate volume(s) you expect to dredge in the appropriate time interval(s). We recognize that there may be significant uncertainty regarding both the volume and the timing of any future dredging, however, please make your best estimate.

DREDGING OF EXISTING FACILITIES (Maintenance):

Time Interval	Dredging Volumes (cubic yards)
2001-2005 (next 5 years)	
2006-2010 (6 to 10 years)	
2011 –2015 (11 to 15 years)	
2016 –2020 (16 to 20 years)	

22. **Improvement/Expansion Dredging** - If you plan to dredge to provide for new facilities or expand existing facilities, please list the approximate volume(s) you expect to dredge in the appropriate time interval(s) shown below. We recognize that there will likely be significant uncertainty regarding this information, however, please make your best estimate.

DREDGING FOR NEW FACILITIES (Improvements):

Time Interval	Dredging Volume (cubic yards)
2001 –2005 (next 5 years)	
2006 –2010 (6 to 10 years)	
2011 – 2015 (11 to 15 years)	
2016 – 2020 (16 to 20 years)	

23. What cost of dredging (\$ per cubic yard) would you consider unaffordable. _____\$ per cubic yard?

Unaffordable cost may be defined as the breakpoint above which your business could no longer afford to continue dredging to sustain it's current level. Use the comment space below if you wish to define your response differently. This may be a difficult question to answer but any input you can provide would be useful to determine the economic impacts of disposal alternatives on businesses.

Comments:

24. Please enter the expected financial impact on your business of **not** dredging, starting this year, and continuing through 2020. Please explain the basis for your estimate in the comment space below.

Comments:

FINANCIAL IMPACT OF NO DREDGING:

Time Interval	Financial Impact (dollars)	OR	Percent (%) Reduction in Revenue
2001- 2005 (next 5 years)			
2006 - 2010 (6 to 10 years)			
2011 – 2015 (11 to 15 years)			
2015 – 2020 (16 to 20 years)			

Comments:

25. Would you like to be on the mailing list to receive general information about the Long Island Sound EIS?

- ☐ Yes (Please provide mailing address below),
Name: _____
Mailing Address: _____
City/Town _____ State: _____, Zip: _____
- ☐ No

26. Please review the attached list of waterfront facilities located in your town/city that we have identified as potentially needing dredging. If you are aware of any facilities that we have missed please help us and list them here:

We appreciate your time and assistance in completing this survey. Your efforts will greatly aid the Corps of Engineers and the EPA in determining future dredging needs and evaluating economic impacts of alternative dredged material disposal alternatives for Long Island Sound.

Additional
Comments _____

Thank you for your assistance.

Please use the enclosed envelope to return the completed questionnaire or send it to:

Elizabeth Copley Powers
ENSR International
2 Technology Park Drive
Westford, MA 01886-3140

Maps

APPENDIX E

DREDGING NEEDS FROM SURVEY RESULTS AND FEDERAL NAVIGATION PROJECTS ESTIMATES

LIS Dredged Material Disposal EIS
Maintenance Dredging Needs from Survey Results and Federal Navigation Project Estimates

Dredging Center	Facilities Surveyed	Reponses Received	Maintenance Dredging Needs (Cubic Yards)				
			2001- 2005	2006 - 2010	2011 - 2015	2016 - 2020	20-year Totals
East River Area							
Federal Channels:							
Flushing Bay and Creek			242,500	242,500	242,500	242,500	970,000
Westchester Creek			230,300	353,100	122,800	122,800	829,000
Federal Navigation Projects			472,800	595,600	365,300	365,300	1,799,000
Other Facilities			284,100	177,000	133,000	33,000	627,100
TOTALS			756,900	772,600	498,300	398,300	2,426,100
Manhasset & Little Neck Bays							
Federal Channels:							
Little Neck Bay - (no records)			-				
Manhasset Bay - (no records)			-				
Federal Navigation Projects (no records)							
Other Facilities			1,159,000	1,019,000	271,000	195,000	2,644,000
TOTALS			1,159,000	1,019,000	271,000	195,000	2,644,000
Hempstead Harbor Area							
Federal Channels:							
Hempstead Harbor			58,700	58,700		25,300	142,700
Glen Cove Creek				14,400		14,400	28,800
Glen Cove Harbor (Inactive since 1906)			-				
Federal Navigation Projects			58,700	73,100	-	39,700	171,500
Other Facilities			25,000	25,000	15,000	15,000	80,000
TOTALS			83,700	98,100	15,000	54,700	251,500
Oyster Bay/Cold Spring Harbor Area							
Federal Channels - None							
Federal Navigation Projects							
Other Facilities			7,300	7,600	34,000	7,300	56,200
TOTALS			7,300	7,600	34,000	7,300	56,200
Huntington & Northport Bay Area							
Federal Channels:							
Huntington Harbor (no dredging since construction in 1941)			-				
Northport Harbor (no dredging since construction in 1965)			-				
Federal Navigation Projects (no dredging since construction)							
Other Facilities			184,500	8,500	8,500	230,400	431,900
TOTALS			184,500	8,500	8,500	230,400	431,900
Smithtown Bay/Stony Brook							
Federal Channels - None							
Federal Navigation Projects							
Other Facilities			66,000	155,300	77,000	78,300	376,600
TOTALS			66,000	155,300	77,000	78,300	376,600

LIS Dredged Material Disposal EIS
Maintenance Dredging Needs from Survey Results and Federal Navigation Project Estimates

Dredging Center	Facilities Surveyed	Reponses Received	Maintenance Dredging Needs (Cubic Yards)				
			2001- 2005	2006 - 2010	2011 - 2015	2016 - 2020	20-year Totals
Port Jefferson/Mount Sinai							
Federal Channels - Port Jefferson Harbor (no dredging since completed in 1903)			-				
Federal Navigation Projects (no dredging since construction)							
Other Facilities	21	3	100	-	110,000	-	110,100
TOTALS			100	-	110,000	-	110,100
Suffolk County Beach Area							
Federal Channels - None			-				
Federal Navigation Projects (none)							
Other Facilities	2	0	0	0	0	0	-
TOTALS			0	0	0	0	0
Great & Little Peconic Bays							
Federal Channels - Mattituck Harbor			26,400	26,400	-	38,400	91,200
Federal Navigation Projects			26,400	26,400	-	38,400	91,200
Other Facilities	40	11	4,500	6,800	1,000	1,800	14,100
TOTALS			30,900	33,200	1,000	40,200	105,300
Shelter Isl./Gardiner's Bay							
Federal Channels - Greenport Harbor (no maintenance since 1939)							
Federal Navigation Projects (no dredging since construction)							
Other Facilities	75	21	14,300	30,100	16,600	19,600	80,600
TOTALS			14,300	30,100	16,600	19,600	80,600
Montauk							
Federal Channels - Lake Montauk Harbor				81,000		81,000	162,000
Federal Navigation Projects			-	81,000	-	81,000	162,000
Other Facilities	18	5	7,100	7,100	7,100	7,100	28,400
TOTALS			7,100	88,100	7,100	88,100	190,400
Point Judith/Block Island Area							
Federal Channels - Point Judith Harbor and Pond			136,500	182,000	45,500	45,500	409,500
Federal Navigation Projects			136,500	182,000	45,500	45,500	409,500
Other Facilities	50	10	24,000	500	-	2,000	26,500
TOTALS			160,500	182,500	45,500	47,500	436,000
Fishers Island							
Federal Channels - Hay (West) Harbor (no maintenance since construction)			-	-	-	-	-
Federal Navigation Projects			-	-	-	-	-
Other Facilities	3	2	200	200	200	200	800
TOTALS			200	200	200	200	800

LIS Dredged Material Disposal EIS
Maintenance Dredging Needs from Survey Results and Federal Navigation Project Estimates

Dredging Center	Facilities Surveyed	Reponses Received	Maintenance Dredging Needs (Cubic Yards)				
			2001- 2005	2006 - 2010	2011 - 2015	2016 - 2020	20-year Totals
Fishers Island Sound/Little Narragansett Bay Area							
Federal Channels:							
Little Narragansett Bay and Pawcatuck River			-	30,000	-	30,000	60,000
Stonington Harbor, Stonington (no maintenance history)							
Mystic Harbor, Groton & Stonington				137,000			137,000
Federal Navigation Projects			-	167,000	-	30,000	197,000
Other Facilities	75	22	40,400	60,200	34,800	37,600	173,000
TOTALS			40,400	227,200	34,800	67,600	370,000
New London Area							
Federal Channels:							
New London Harbor, New London & Groton			207,400	207,400		317,200	732,000
Thames River, Groton to Norwich			472,500	472,500		329,000	1,274,000
Federal Navigation Projects			679,900	679,900	-	646,200	2,006,000
Other Facilities	59	26	118,400	119,500	61,500	21,500	320,900
Projection			-	11,800	60,000	11,800	83,600
TOTALS			798,300	811,200	121,500	679,500	2,410,500
Niantic Area							
Federal Channels - Niantic Bay, East Lyme & Waterford (no maintenance records)							
Federal Navigation Projects (no maintenance records)							
Other Facilities	11	5	8,500	2,350	5,350	350	16,550
TOTALS			8,500	2,350	5,350	350	16,550
Connecticut River Area							
Federal Channels:							
Connecticut River Below Hartford			1,468,700	1,159,500	927,600	618,400	4,174,200
Eightmile River (no maintenance records)							-
Wethersfield Cove, Wethersfield (Conn. River)			18,600	18,600			37,200
North Cove, Old Saybrook			120,600		107,200		227,800
Federal Navigation Projects			1,607,900	1,178,100	1,034,800	618,400	4,439,200
Other Facilities	88	35	111,600	116,300	110,300	66,000	404,200
TOTALS			1,719,500	1,294,400	1,145,100	684,400	4,843,400
Clinton/Westbrook Area							
Federal Channels:							
Patchogue River, Westbrook				37,400		37,400	74,800
Duck Island Harbor, Westbrook				1,333,800			1,333,800
Clinton Harbor, Clinton			80,200	80,200	33,200	33,200	226,800
Federal Navigation Projects			80,200	1,451,400	33,200	70,600	1,635,400
Other Facilities	35	9	159,200	173,200	454,200	328,200	1,114,800
Projection			31,400	32,500	51,400	72,500	187,800
TOTALS			270,800	1,657,100	538,800	471,300	2,938,000

LIS Dredged Material Disposal EIS
Maintenance Dredging Needs from Survey Results and Federal Navigation Project Estimates

Dredging Center	Facilities Surveyed	Reponses Received	Maintenance Dredging Needs (Cubic Yards)				
			2001- 2005	2006 - 2010	2011 - 2015	2016 - 2020	20-year Totals
Guilford/Branford Area							
Federal Channels:							
Guilford Harbor, Guilford			25,200	50,300		50,300	125,800
Stony Creek, Branford				39,600		39,600	79,200
Branford Harbor, Branford			96,000		64,000	64,000	224,000
Federal Navigation Projects			121,200	89,900	64,000	153,900	429,000
Other Facilities			80,000	69,000	62,000	146,000	357,000
Projection			95,800	95,800	95,800	95,800	383,200
TOTALS			297,000	254,700	221,800	395,700	1,169,200
New Haven Area							
Federal Channels:							
New Haven - West River			115,700	115,700		178,000	409,400
New Haven Harbor, New Haven & East Haven			399,600	969,000		570,000	1,938,600
Federal Navigation Projects			515,300	1,084,700	0	748,000	2,348,000
Other Facilities			104,500	121,500	100,000	142,000	468,000
TOTALS			619,800	1,206,200	100,000	890,000	2,816,000
Housatonic River/Milford Area							
Federal Channels:							
Housatonic River to Derby			452,700	452,700		272,000	1,177,400
Milford Harbor, Milford			27,200	27,200		41,800	96,200
Federal Navigation Projects			479,900	479,900	-	313,800	1,273,600
Other Facilities			27,500	20,000	15,000	-	62,500
Projection			21,000	68,600	21,000	68,600	179,200
TOTALS			528,400	568,500	36,000	382,400	1,515,300
Bridgeport Area							
Federal Channels:							
Bridgeport Harbor - Entrance and Main Channel			2,936,700		753,000		3,689,700
Bridgeport Harbor -Yellow Mill Channel				490,000		80,000	570,000
Bridgeport Harbor - Johnson's River			65,000			22,800	87,800
Bridgeport Harbor - Pequonnock River				513,000		72,000	585,000
Black Rock Harbor, Bridgeport			307,800			243,000	550,800
Federal Navigation Projects			3,309,500	1,003,000	753,000	417,800	5,483,300
Other Facilities			76,500	10,000	30,000	30,000	146,500
TOTALS			3,386,000	1,013,000	783,000	447,800	5,629,800

LIS Dredged Material Disposal EIS
Maintenance Dredging Needs from Survey Results and Federal Navigation Project Estimates

Dredging Center	Facilities Surveyed	Reponses Received	Maintenance Dredging Needs (Cubic Yards)						
			2001- 2005	2006 - 2010	2011 - 2015	2016 - 2020	20-year Totals		
Norwalk Area									
Federal Channels:									
Fivemile River, Darien & Norwalk					31,700		155,300		
Southport Harbor, Fairfield			123,600						
Norwalk Harbor, Norwalk			291,000	436,500		145,500	873,000		
Wilson's Point Harbor (no maintenance since construction in 1892)							-		
Westport Harbor & Sugatuck River, Westport			18,600	18,600			37,200		
Federal Navigation Projects			433,200	455,100	31,700	145,500	1,065,500		
Other Facilities			67	14	56,700	100	14,100	10,100	81,000
Projection					4,000			4,000	
TOTALS			489,900	459,200	45,800	155,600	1,150,500		
Stamford Area									
Federal Channels:									
Stamford Harbor, Stamford			57,800	57,800		82,500	198,100		
Westcott Cove, Stamford			15,000	15,000		13,000	43,000		
Federal Navigation Projects			72,800	72,800	-	95,500	241,100		
Other Facilities			28	4	50,000	50,000	50,000	200,000	
TOTALS			122,800	122,800	50,000	145,500	441,100		
Greenwich Area									
Federal Channels:									
Mianus River (Cos Cob Harbor), Greenwich			50,000				50,000		
Greenwich Harbor, Greenwich			71,900	71,900		65,400	209,200		
Federal Navigation Projects			121,900	71,900	-	65,400	259,200		
Other Facilities			19	5	50,000	30,000		80,000	
Projections					13,600	13,600	11,800	13,600	52,600
TOTALS			185,500	115,500	11,800	79,000	391,800		
Port Chester/Rye Area									
Federal Channels - Port Chester Harbor and Byram River			34,700	34,700	37,800	37,800	145,000		
Federal Navigation Projects			34,700	34,700	37,800	37,800	145,000		
Other Facilities			13	3	38,000	25,000	45,000	30,000	138,000
Projections					10,000		10,000	20,000	
TOTALS			72,700	69,700	82,800	77,800	303,000		

LIS Dredged Material Disposal EIS
Maintenance Dredging Needs from Survey Results and Federal Navigation Project Estimates

Dredging Center	Facilities Surveyed	Reponses Received	Maintenance Dredging Needs (Cubic Yards)				
			2001- 2005	2006 - 2010	2011 - 2015	2016 - 2020	20-year Totals
Mamaroneck/New Rochelle Area							
Federal Channels:							
New Rochelle Harbor			24,800	24,800			49,600
Larchmont Harbor (inactive)							
Echo Bay Harbor (No maintenance since construction in 1931)							
Mamaroneck Harbor				79,000		79,000	158,000
Milton Harbor			72,000		72,000	72,000	216,000
Federal Navigation Projects			96,800	103,800	72,000	151,000	423,600
Other Facilities			67,000	31,000	28,000	91,000	217,000
Projection			-	-	44,000	-	44,000
TOTALS			163,800	134,800	144,000	242,000	684,600
Eastchester Bay Area							
Federal Channels - Eastchester Creek			60,000	120,000		60,000	240,000
Federal Navigation Projects			60,000	120,000	-	60,000	240,000
Other Facilities			20	2	-	-	-
TOTALS			60,000	120,000	-	60,000	240,000
TOTALS							
Federal Navigation Projects			8,307,700	7,950,300	2,437,300	4,123,800	22,819,100
Other Facilities			1009	292	2,926,200	2,501,550	1,967,650
Grand Total			11,233,900	10,451,850	4,404,950	5,938,550	32,029,250

APPENDIX F

MAINTENANCE DREDGED MATERIAL PROJECTIONS FOR FEDERAL NAVIGATION PROJECTS

Assumptions and notes for the estimate of dredging volumes for Corps Navigation Projects

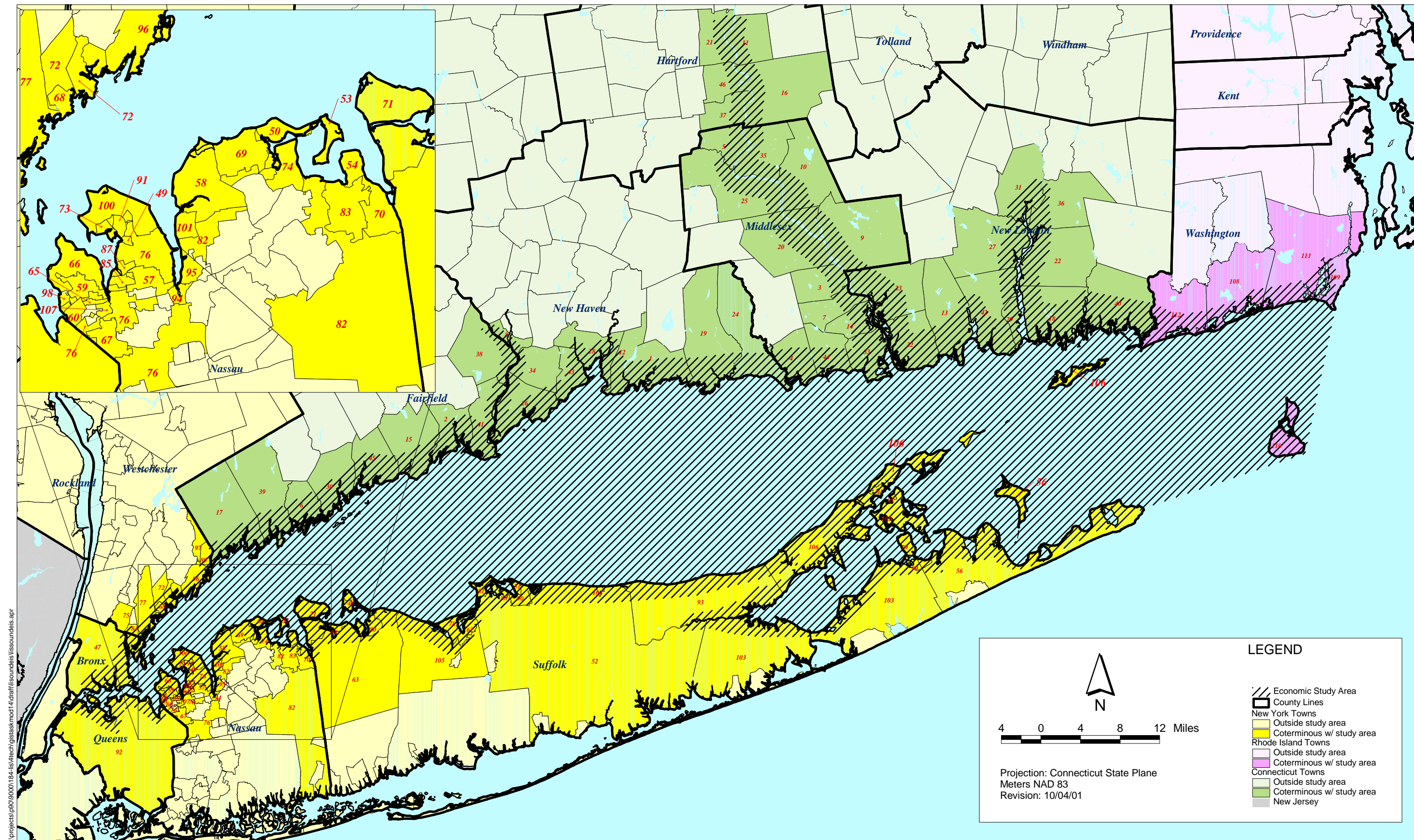
1. Used Corps supplied spreadsheet of dredging history.
2. Col. A – Est. Annual Maint (cy/yr) - Used the most recent maintenance dredging cycle going back to the last improvement project. This assumes that the improvement project would change the maintenance cycle and volumes. In most cases there was sufficient maintenance history to yield adequate numbers to make projections. These calculations were done by hand. The total volume dredged during the maintenance cycle was divided by the total number of years elapsed to obtain the average annual volume (cy/yr) (hand calculations).
3. Col. B – Est. Dredging Cycle (years) - The maintenance cycle was computed by dividing the total span of years used by the number of times dredged. This number was compared to the recorded cycles. In some cases the average was not used because there was major deviation with the actual cycles. Judgement was used.
4. Col. C – Last Year Dredged – Taken directly from Corps spreadsheet
5. Col. D – Est. Next Year to Need Dredging - Using the maintenance cycle (col. B) and the last year dredging took place (col. C), the estimated year when the next maintenance dredging would be expected was computed by adding these values.
6. Col. E. – Years in Backlog (as of 2001)- The theoretical backlog was estimated by subtracting the next year projected to need dredging (col. D) from the reference year (2001).
7. Col. F – Vol. If Dredged in 2001 (clear backlog)- For those projects in backlog status as computed in Col. E, an estimate of volume that would be dredged in 2001 to clear the backlog was made by subtracting col. E from 2001 then multiplying the result by Col. A.
8. Cols. G,H, I, J- Projections – It was assumed that dredging was deferred (in backlog) and would eventually be accomplished. Unless otherwise noted in col.L, it was assumed that all backlog dredging would be eliminated within the next 10 years. For projects that are not in backlog the dredging was projected to be on schedule using cycles (col. B) and rates (col. A).

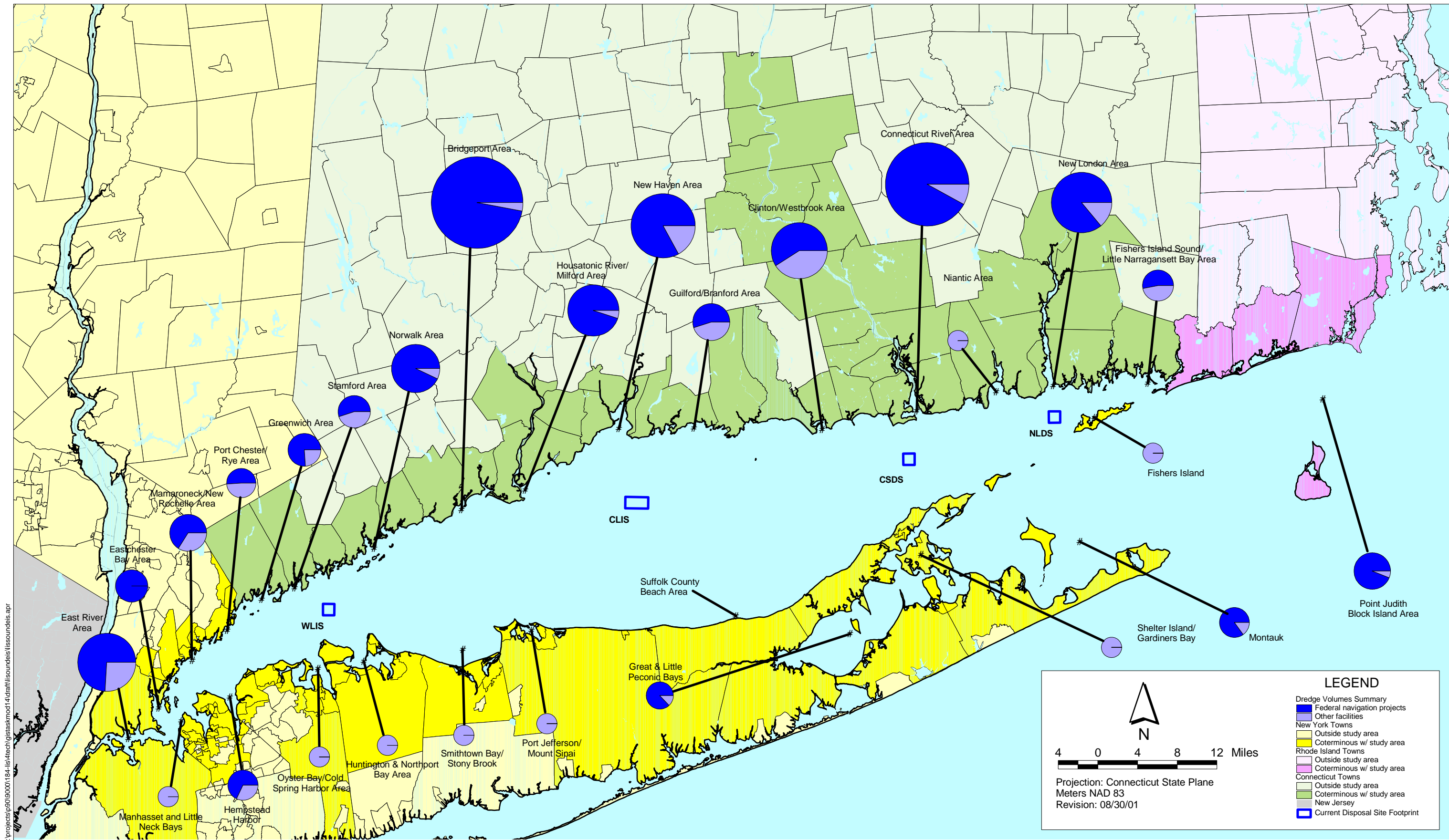
LIS Dredged Material Disposal EIS
Maintenance Dredged Material Projections to 2020 from Federal Navigation Projects

Navigation Project	A	B	C	D	E	F	Projected Dredging Needs (Cubic yards)					Clear Backlog within:
	Est. Annual Maint. Volume (cy/yr)	Est. Dredging Cycle (years)	Last Year Dredged	Est. Next Year to Need Dredging	Years in Backlog (as of 2001)	Vol. If dredged in 2001 (clear backlog)	Projections for 2001 to 2005	Projections for 2006 to 2010	Projections for 2011 to 2015	Projections for 2016 to 2020	Total Maintenance Volume - 2001 thru 2020	
Black Rock Harbor, Bridgeport, CT	16,200	15	1982	1997	4	307,800	307,800			243,000	550,800	First 5 years
Branford Harbor, Branford, CT	8,000	8	1989	1997	4	96,000	96,000		64,000	64,000	224,000	First 5 years
Bridgeport Harbor, Bri Entrance and Main Channels	75,300	10	1962	1972	29	2,936,700	2,936,700		753,000		3,689,700	First 5 years per Mark Habel 8/9/01
Bridgeport Harbor, Bri Yellow Mill Channel	10,000	8	1952	1960	41	490,000		490,000		80,000	570,000	5-10 years per Mark Habel 8/9/01
Bridgeport Harbor, Bri Johnson's River	1,140	20	1944	1964	37	64,980	64,980			22,800	87,780	First 5 years per Mark Habel 8/9/01
Bridgeport Harbor, Bri Pequonnock River	9,000	8	1944	1952	49	513,000		513,000		72,000	585,000	5-10 years per Mark Habel 8/9/01
Clinton Harbor, Clinton, CT	5,530	6	1984	1990	11	94,010	80,185	80,185	33,180	33,180	226,730	First 10 years
Connecticut River Below Hartford	154,600	2	1994	1996	5	1,082,200	1,468,700	1,159,500	927,600	618,400	4,174,200	First 10 years 1/2 within 20years per Mark Habel 8/9/01
Duck Island Harbor, Westbrook, CT	51,300	6	1949	1955	46	2,667,600		1,333,800			1,333,800	First 10 years
East Chester Creek, ? NY	10,000	6	1989	1995	6	120,000	60,000	120,000		60,000	240,000	First 10 years
Echo Bay Harbor ? NY (no maint. since constructed in 1931)											-	
Eightmile River - no records of maintenance											-	
Fivemile River, Darien & Norwalk	2,580	30	1999	2029							-	
Flushing Bay and Creek, NY	48,500	5	1997	2002			242,500	242,500	242,500	242,500	970,000	
Glen Cove Creek	1,200	12	1996	2008				14,400		14,400	28,800	
Glen Cove Harbor, NY (inactive since 1906)											-	
Greenport Harbor, NY (no maint. since 1939)											-	
Greenwich Harbor, Greenwich, CT	4,360	15	1968	1983	18	143,880	71,940	71,940		65,400	209,280	First 10 years
Guilford Harbor, Guilford, CT	7,190	7	1994	2001	-	50,330	25,165	50,330		50,330	125,825	First 10 years
Hay (West) Harbor, Fishers Island, NY (no maintenance records since improvement in 1931)											-	
Hempstead Harbor, NY	2,300	11	1950	1961	40	117,300	58,650	58,650		25,300	142,600	First 10 years
Housatonic River, Str: 18-ft channel, Mouth to Culvers Bar	17,400	10	1976	1986	15	435,000	217,500	217,500		174,000	609,000	First 10 years
Housatonic River, Str: 7-ft channel, Culvers Bar to Derby	9,800	10	1953	1963	38	470,400	235,200	235,200		98,000	568,400	First 10 years
Huntington Harbor, NY (no maint. since improvement in 1941)											-	
Lake Montauk Harbor, NY	9,000	9	2000	2009				81,000		81,000	162,000	
Larchmont Harbor, NY (project inactive)											-	
Little Narragansett Bay and Pawcatuck River, CT	3,000	10	1997	2007				30,000		30,000	60,000	
Little Neck Bay, NY (maintenance or improvement ?)											-	
Mamaroneck Harbor, Mamaroneck, NY	7,900	10	1999	2009				79,000		79,000	158,000	
Manhasset Bay, NY (no records given)											-	
Mattituck Harbor, NY	4,800	8	1990	1998	3	52,800	26,400	26,400		38,400	91,200	First 10 years
Mianus River (Cos Cob Harbor), Greenwich, CT	2,500	20	1985	2005			50,000				50,000	
Milford Harbor, Milford, CT	4,180	10	1988	1998	3	54,340	27,170	27,170		41,800	96,140	First 10 years
Milton Harbor, NY	8,000	9	1993	2002			72,000		72,000		216,000	In 10years per Mark Habel 8/9/01
Mystic Harbor, Groton & Stonington, CT	2,800	15	1957	1972	29	123,200		137,200			137,200	First 10 years
New Haven - West River	17,800	10	1988	1998	3	231,400	115,700	115,700		178,000	409,400	First 10 years
New Haven Harbor, New Haven & East Haven, CT	114,000	5	1994	1999	2	798,000	399,000	969,000		570,000	1,938,000	First 10 years
New London Harbor, New London & Groton, CT	24400	13	1984	1997	4	414,800	207,400	207,400		317,200	732,000	First 10 years

LIS Dredged Material Disposal EIS
Maintenance Dredged Material Projections to 2020 from Federal Navigation Projects

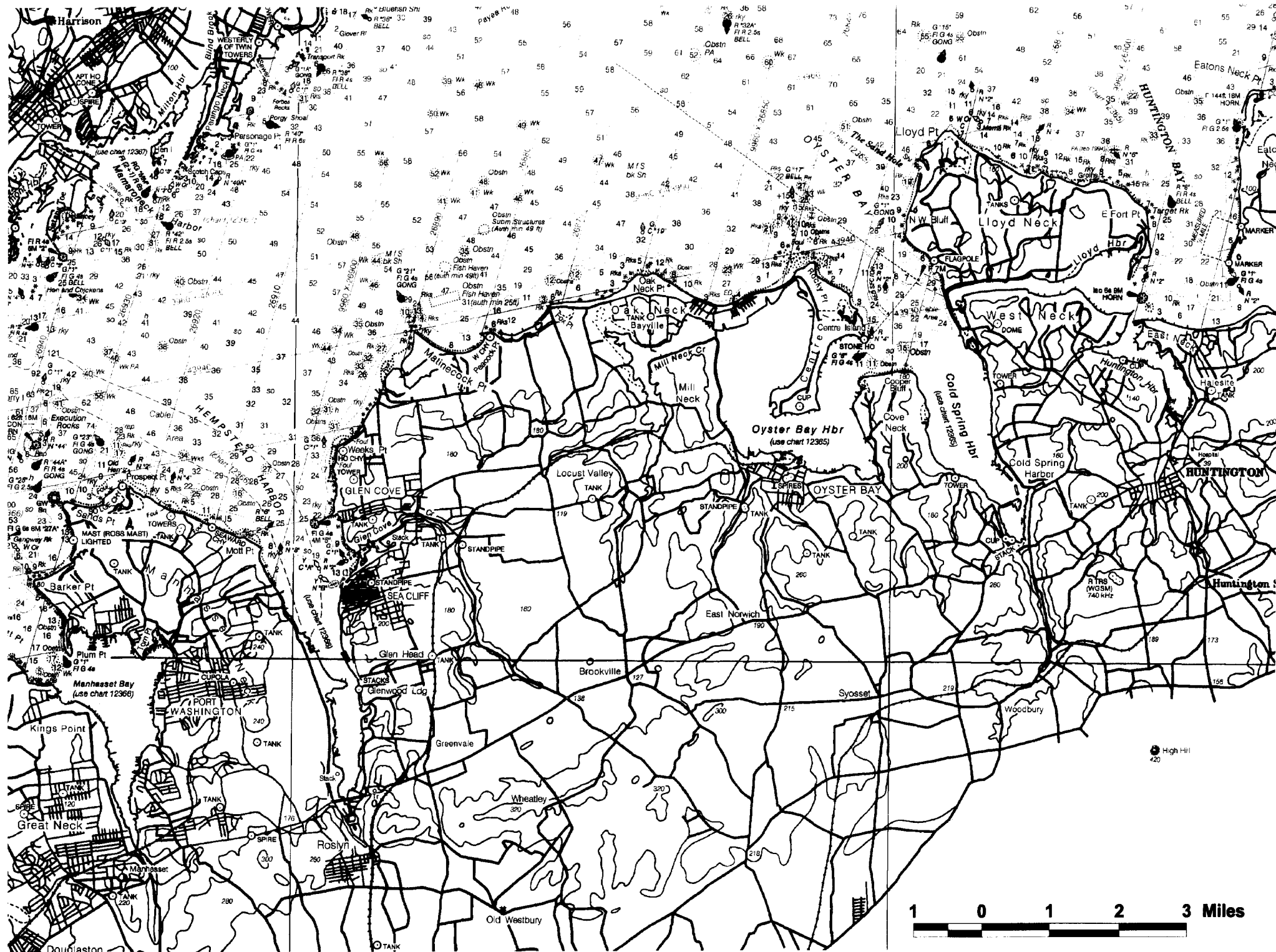
A	B	C	D	E	F	Projected Dredging Needs (Cubic yards)					K	L
Navigation Project	Est. Annual Maint. Volume (cy/yr)	Est. Dredging Cycle (years)	Last Year Dredged	Est. Next Year to Need Dredging	Years in Backlog (as of 2001)	Vol. If dredged in 2001 (clear backlog)	Projections for 2001 to 2005	Projections for 2006 to 2010	Projections for 2011 to 2015	Projections for 2016 to 2020	Total Maintenance Volume - 2001 thru 2020	Clear Backlog within:
New Rochelle Harbor	1,650	20	1971	1991	10	49,500	24,750	24,750			49,500	First 10 years
Niantic Bay, East Lyme & Waterford, CT (no maintenance since construction in 1970)											-	
North Cove, Old Saybrook, CT	13,400	8	1992	2000	1	120,600	120,600		107,200		227,800	First 5 years
Northport Harbor (no maintenance since construction in 1956)											-	
Norwalk Harbor, Norwalk, CT	29,100	5	1981	1986	15	582,000	291,000	436,500		145,500	873,000	First 10 years
Patchogue River, Westbrook, CT	3,740	10	1998	2008				37,400		37,400	74,800	
Point Judith Harbor and Pond, RI	9,100	5	1971	1976	25	273,000	136,500	182,000	45,500	45,500	409,500	First 10 years
Port Chester Harbor & Byram River	6,300	6	1990	1996	5	69,300	34,650	34,650	37,800	37,800	144,900	First 10 years
Port Jefferson Harbor (completed in 1903. Nothing done since)											-	
												First 5 years
Southport Harbor, Fairfield, CT	3,170	10	1962	1972	29	123,630	123,630		31,700		155,330	per Mark
Stamford harbor, Stamford, CT	5,500	15	1980	1995	6	115,500	57,750	57,750		82,500	198,000	Habel 8/9/01
Stonington Harbor, Stonington, CT (no maintenance history)											-	First 10 years
Stony Creek, Branford, CT	3,300	12	1995	2007				39,600		39,600	79,200	
Thames River, Grotor Up to Allyn's Pt.	19,000	11	1986	1997	4	285,000	142,500	142,500		209,000	494,000	First 10 years
Thames River, Grotor Allyn's Pt. To Norwich	15,000	8	1957	1965	36	660,000	330,000	330,000		120,000	780,000	First 10 years
Westchester Creek, NY	30,700	4	1986	1990	11	460,500	230,250	353,050	122,800	122,800	828,900	First 10 years
Westcott Cove, Stamford, CT	1,300	10	1978	1988	13	29,900	14,950	14,950		13,000	42,900	First 10 years
Westport Harbor & Saugatuck River, Westport, CT	1,200	20	1970	1990	11	37,200	18,600	18,600			37,200	First 10 years
Wethersfield Cove, Wethersfield (Conn. River.)	10	24	1986	2010				240			240	
Wilson's Point Harbor, CT (no maintenance since construction in 1892)											-	
TOTALS							8,289,000	7,932,000	2,438,000	4,124,000	22,782,000	



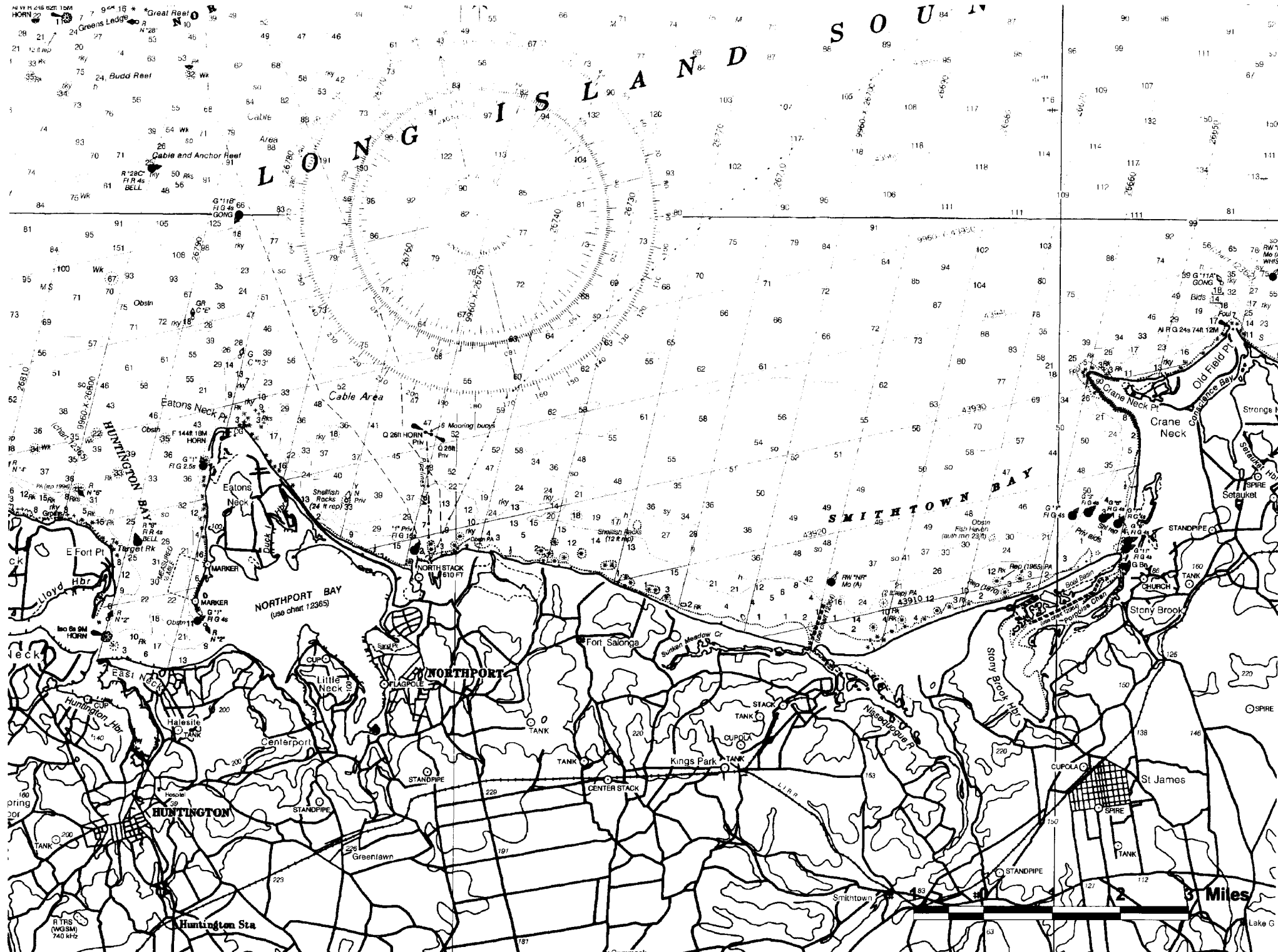


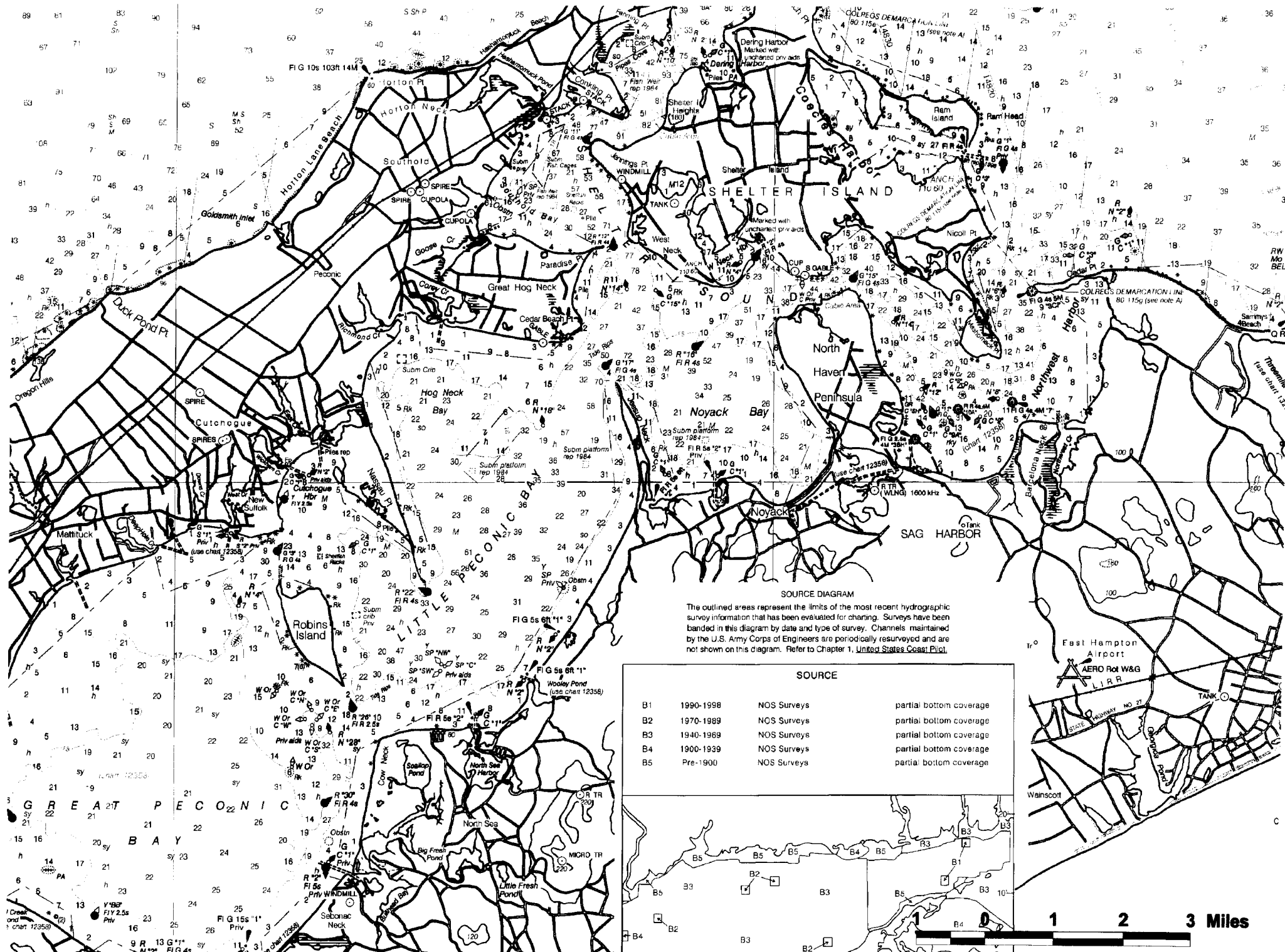
Long Island Sound Dredged Material Disposal EIS
Figure 2: Maintenance Dredging Needs - Dredging Center Statistics



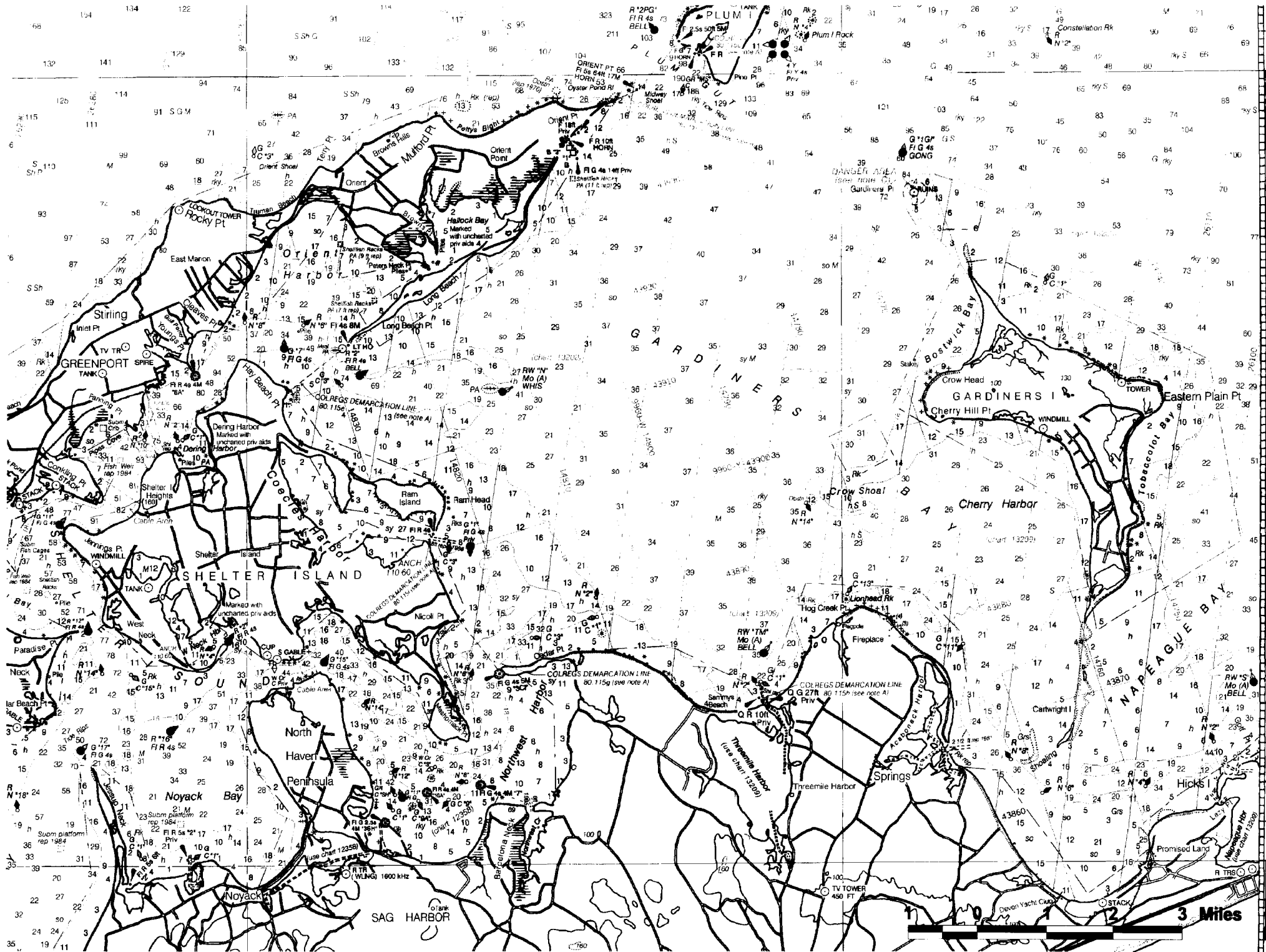


Please mark the location of your facility as accurately as possible above. This map was generated from NOAA nautical chart No. 12363

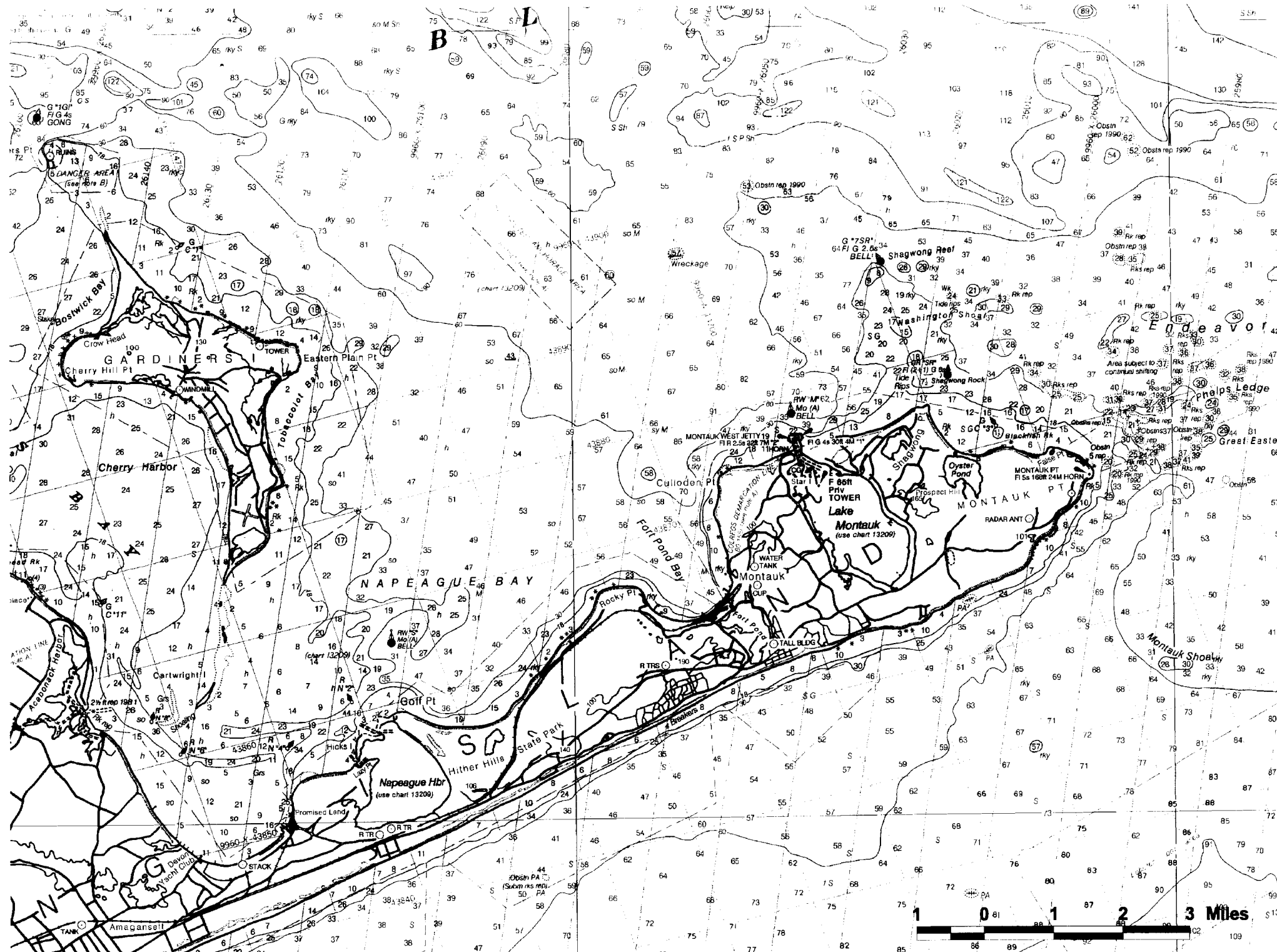




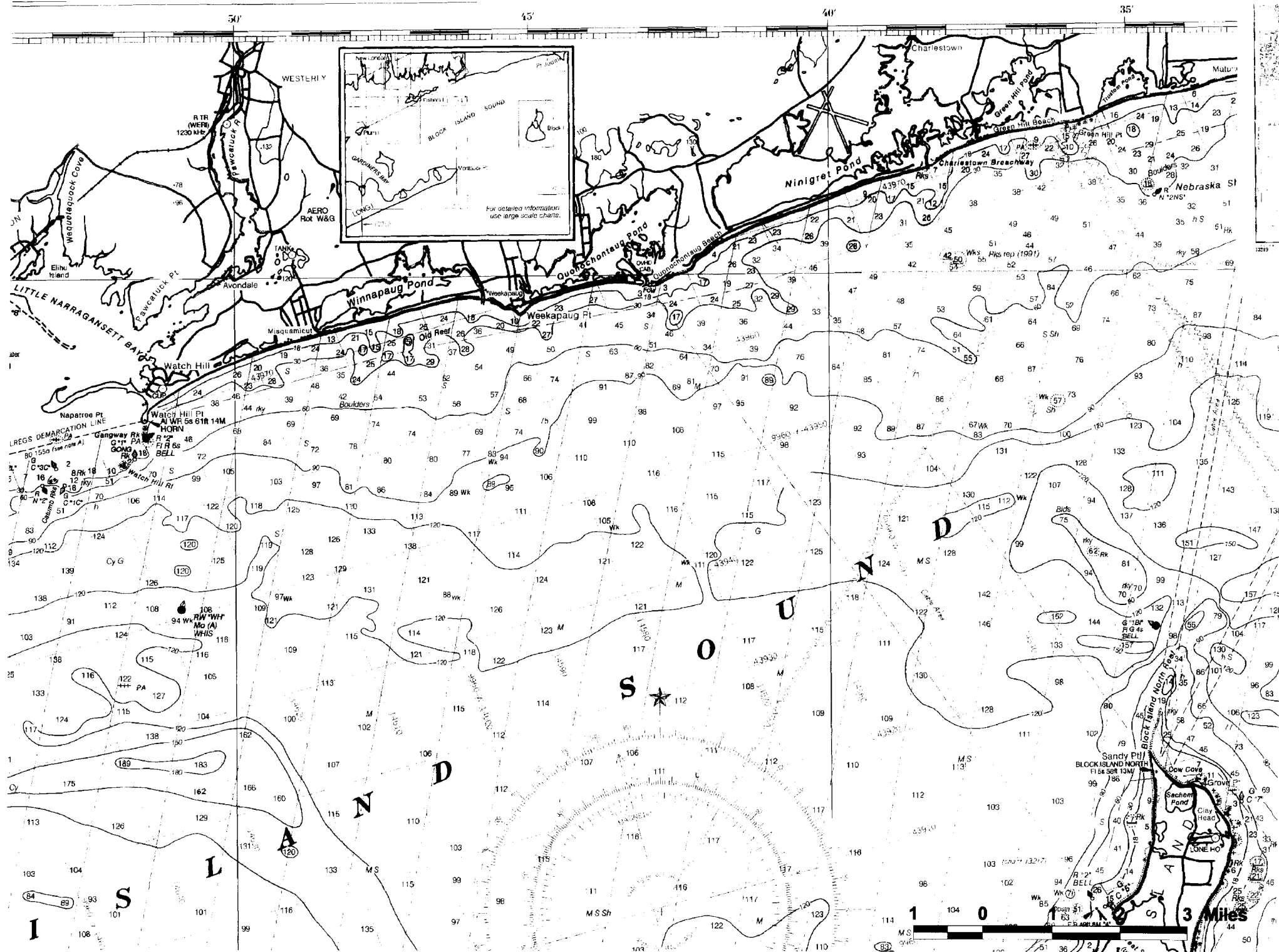
Please mark the location of your facility as accurately as possible above. This map was generated from NOAA nautical chart No. 12354



Please mark the location of your facility as accurately as possible above. This map was generated from NOAA nautical chart No. 12354



Please mark the location of your facility as accurately as possible above. This map was generated from NOAA nautical chart No. 13205



Please mark the location of your facility as accurately as possible above. This map was generated from NOAA nautical chart No. 13205

HEIGHTS
Heights in feet above Mean High Water

AUTHORITIES
Hydrography and topography by the National Ocean Service, Coast Survey, with additional data from the Corps of Engineers, Geological Survey, and U.S. Coast Guard

SUPPLEMENTAL INFORMATION
Consult U.S. Coast Pilot 2 for important supplemental information

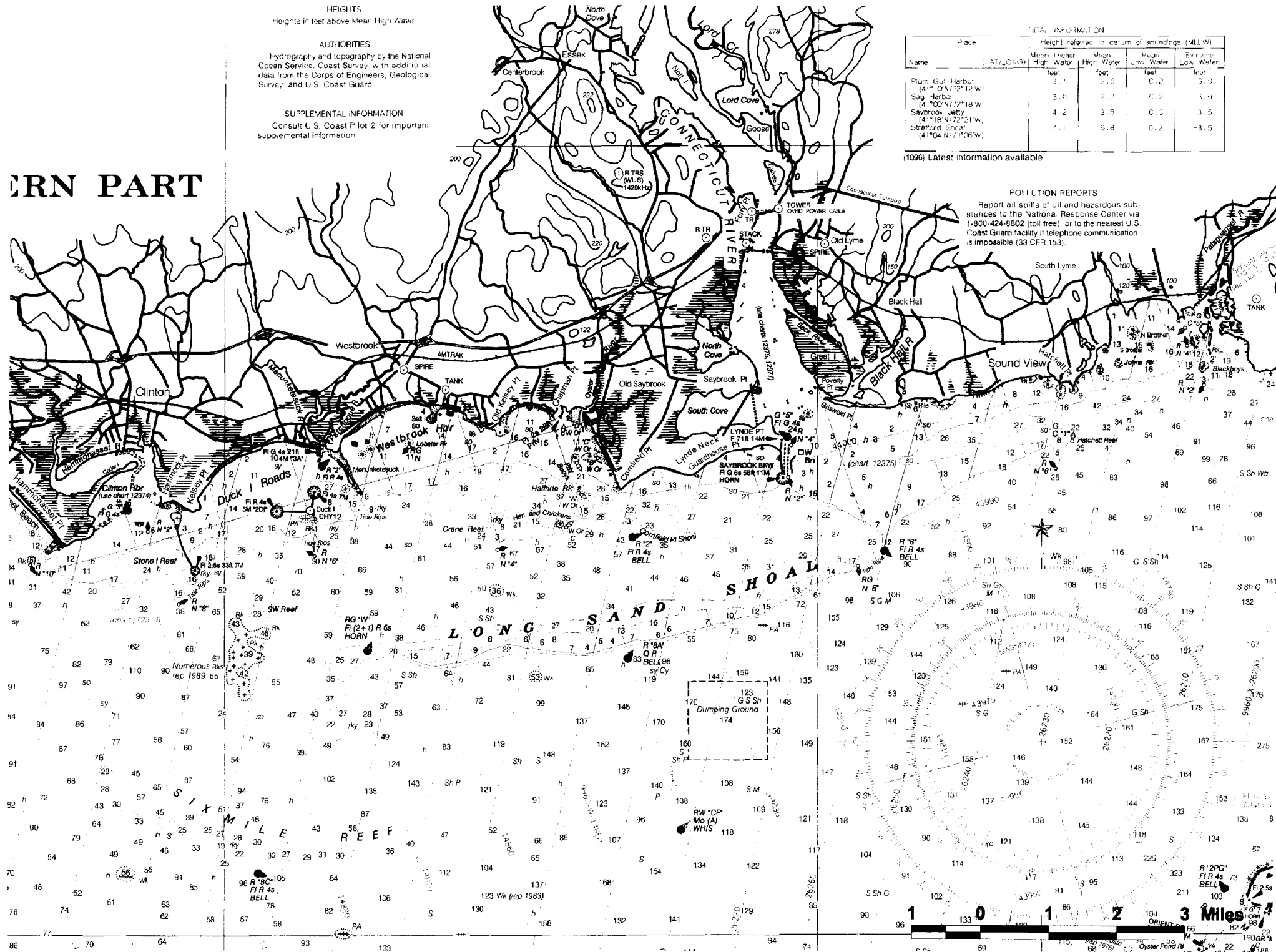
Place	Height related to datum of soundings (MLLW)				
	Mean High Water	Mean High Water	Mean Low Water	Mean Low Water	Extreme Low Water
Name	Feet	Feet	Feet	Feet	Feet
Plym. G. Harbor (41° 00' N / 72° 12' W)	3.1	2.9	0.2	0.2	3.0
Sag Harbor (41° 00' N / 72° 18' W)	3.6	2.7	0.2	0.2	3.0
Saybrook Jetty (41° 18' N / 72° 21' W)	4.2	3.5	0.3	0.3	3.5
Stamford Shoal (41° 04' N / 72° 06' W)	7.1	6.8	0.2	0.2	3.5

(1096) Latest information available

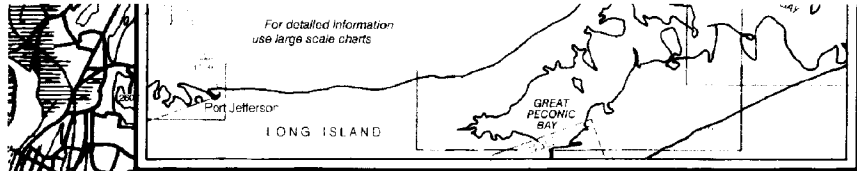
POLLUTION REPORTS

Report all spills of oil and hazardous substances to the National Response Center via 1-800-424-8902 (toll free), or to the nearest U.S. Coast Guard facility if telephone communication is impossible (33 CFR 153).

ERN PART



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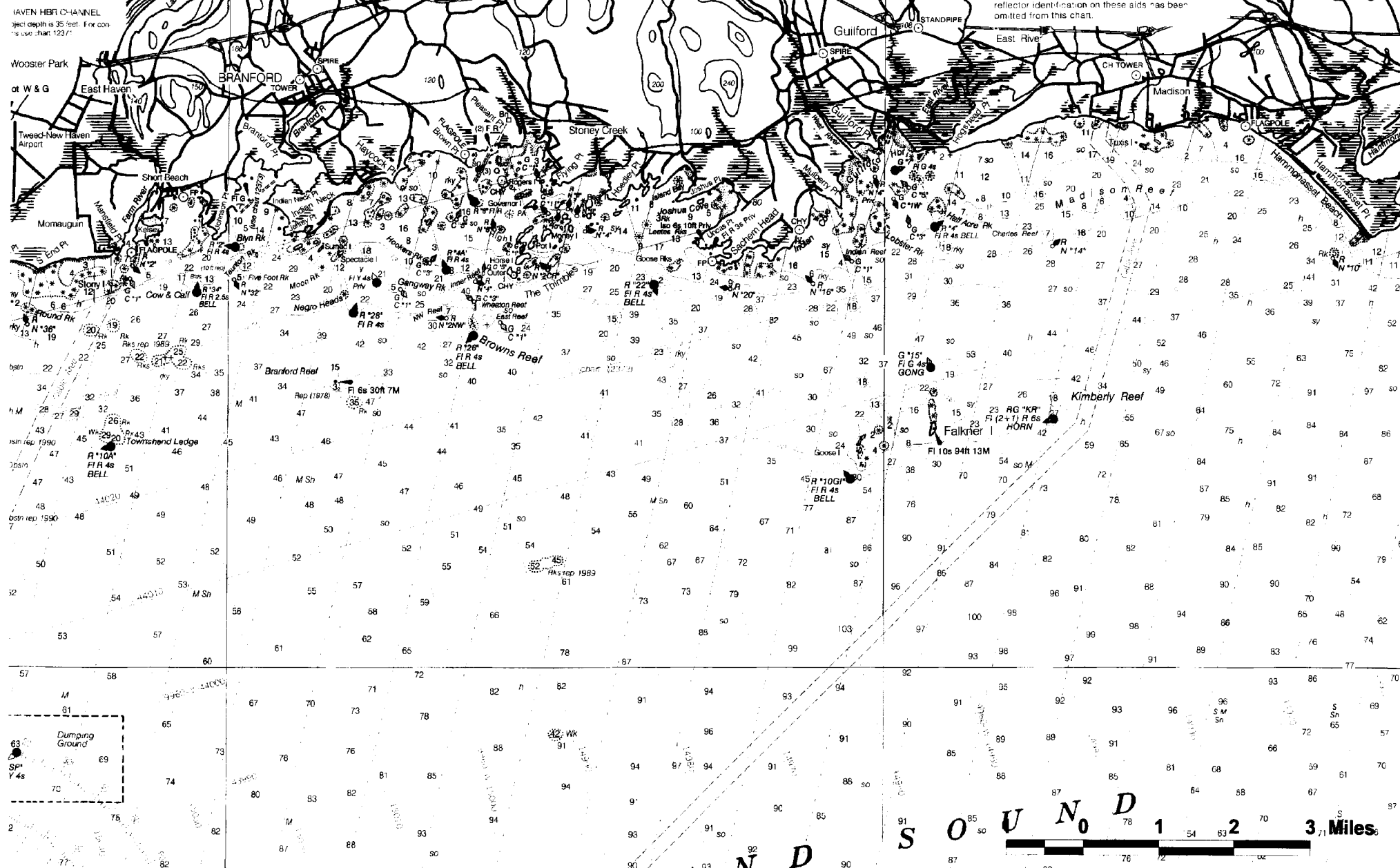
LONG ISLAND SOUND - EASTERN I

Mercator Projection
Scale 1:80,000 at Lat. 41°07'
North American Datum of 1983
(World Geodetic System 1984)

SOUNDINGS IN FEET AT MEAN LOWER LOW WATER

RADAR REFLECTIONS

Radar reflectors have been placed on many floating aids to navigation. Individual radar reflector identification on these aids has been omitted from this chart.



Please mark the location of your facility as accurately as possible above. This map was generated from NOAA nautical chart No. 12354

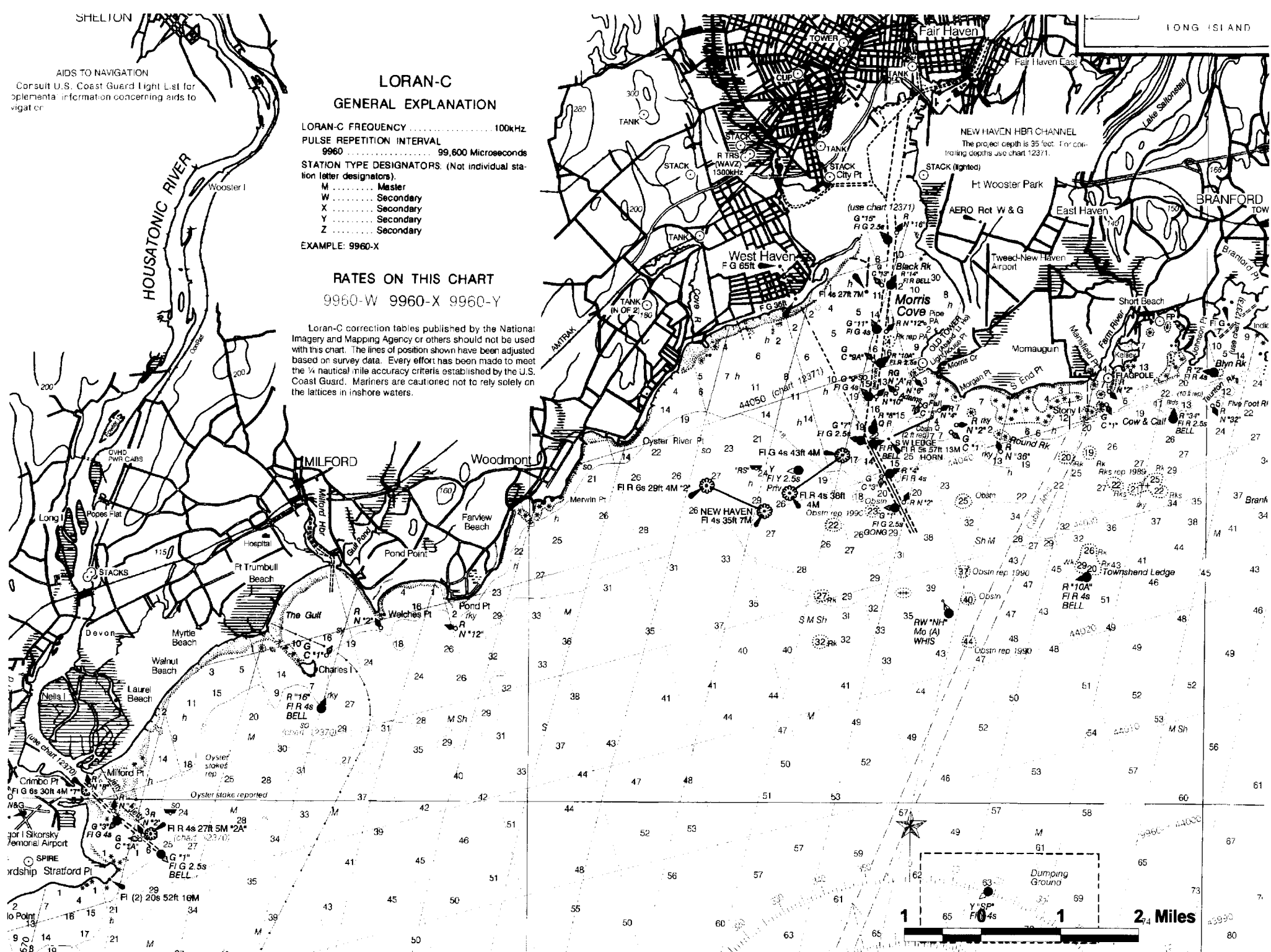
AIDS TO NAVIGATION
Consult U.S. Coast Guard Light List for
supplemental information concerning aids to
navigation

LORAN-C GENERAL EXPLANATION

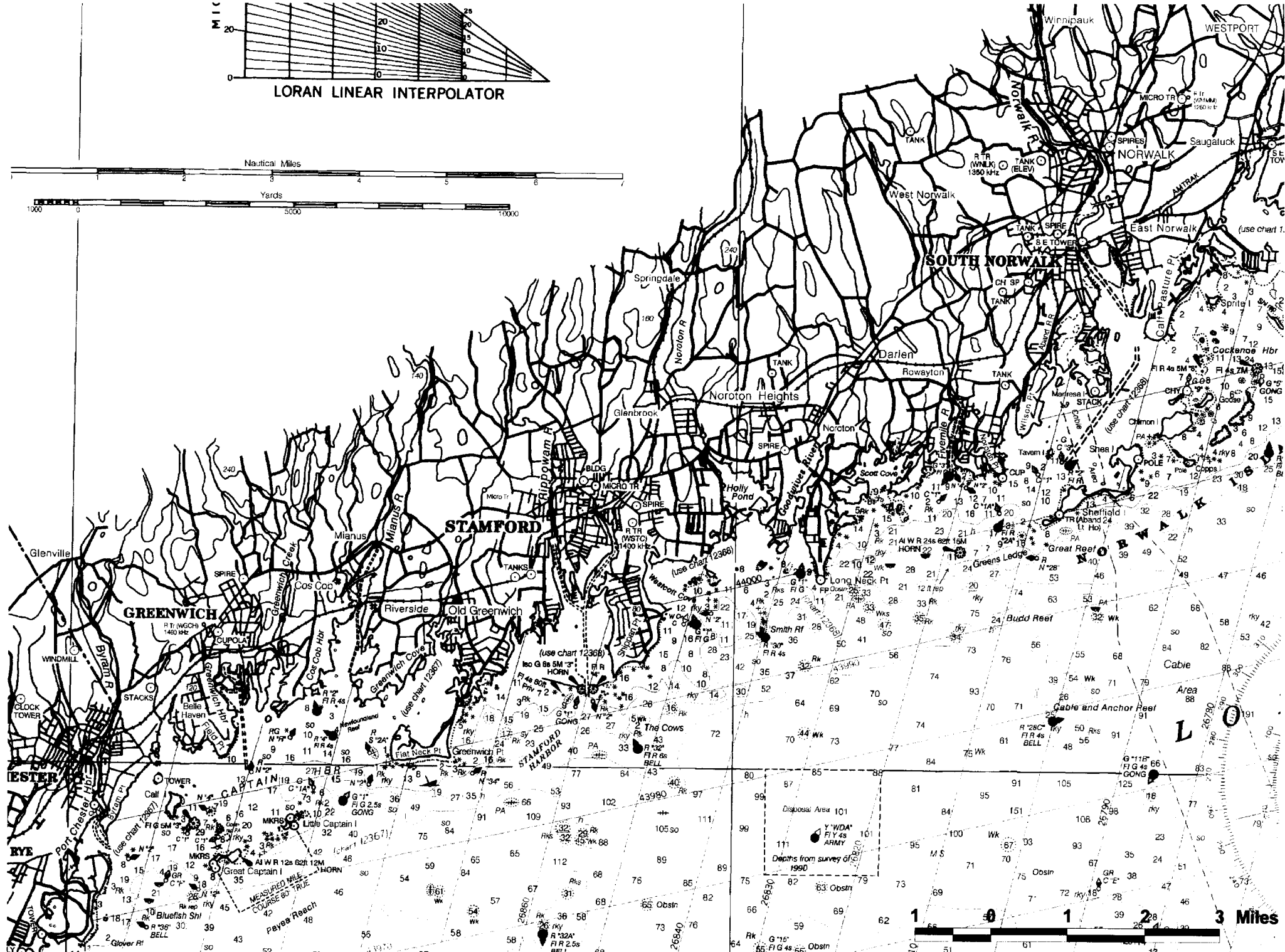
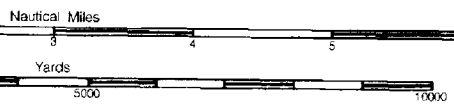
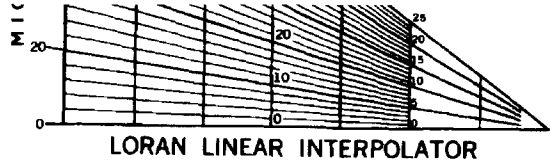
LORAN-C FREQUENCY 100kHz
PULSE REPETITION INTERVAL
9960 99,600 Microseconds
STATION TYPE DESIGNATORS. (Not individual station
letter designators).
M Master
W Secondary
X Secondary
Y Secondary
Z Secondary
EXAMPLE: 9960-X

RATES ON THIS CHART 9960-W 9960-X 9960-Y

Loran-C correction tables published by the National
Imagery and Mapping Agency or others should not be used
with this chart. The lines of position shown have been adjusted
based on survey data. Every effort has been made to meet
the 1/4 nautical mile accuracy criteria established by the U.S.
Coast Guard. Mariners are cautioned not to rely solely on
the lattices in inshore waters.



Please mark the location of your facility as accurately as possible above. This map was generated from NOAA nautical chart No. 12354

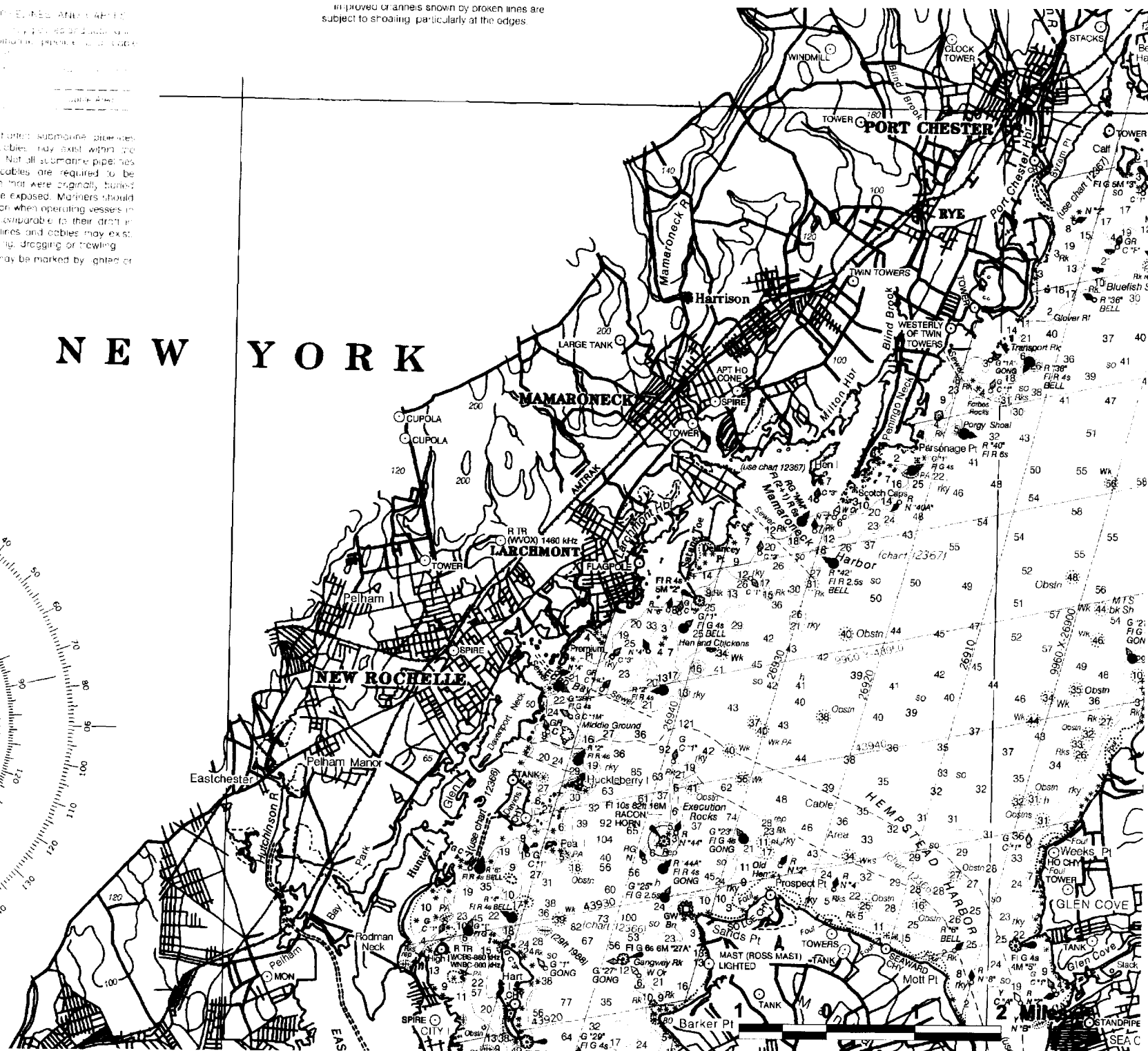


Please mark the location of your facility as accurately as possible above. This map was generated from NOAA nautical chart No. 12363

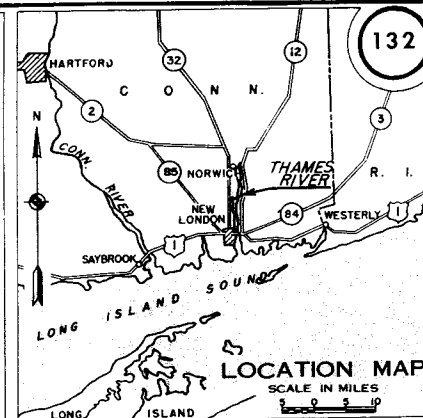
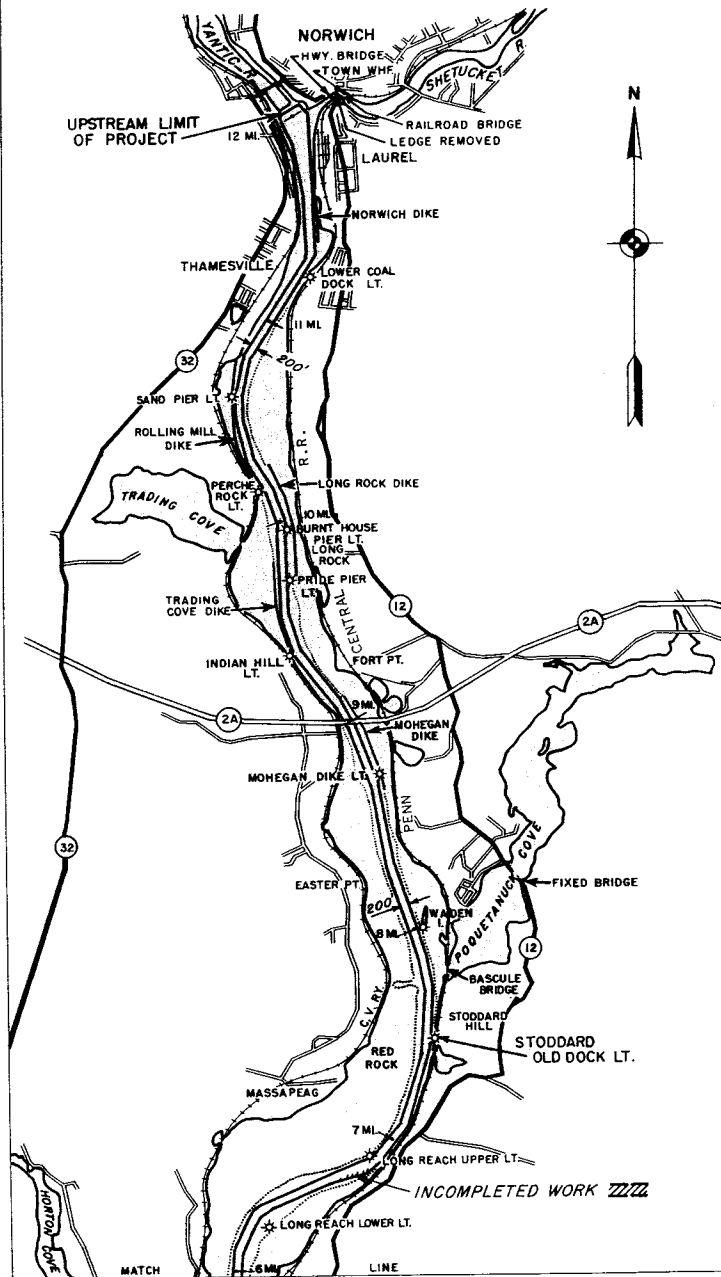
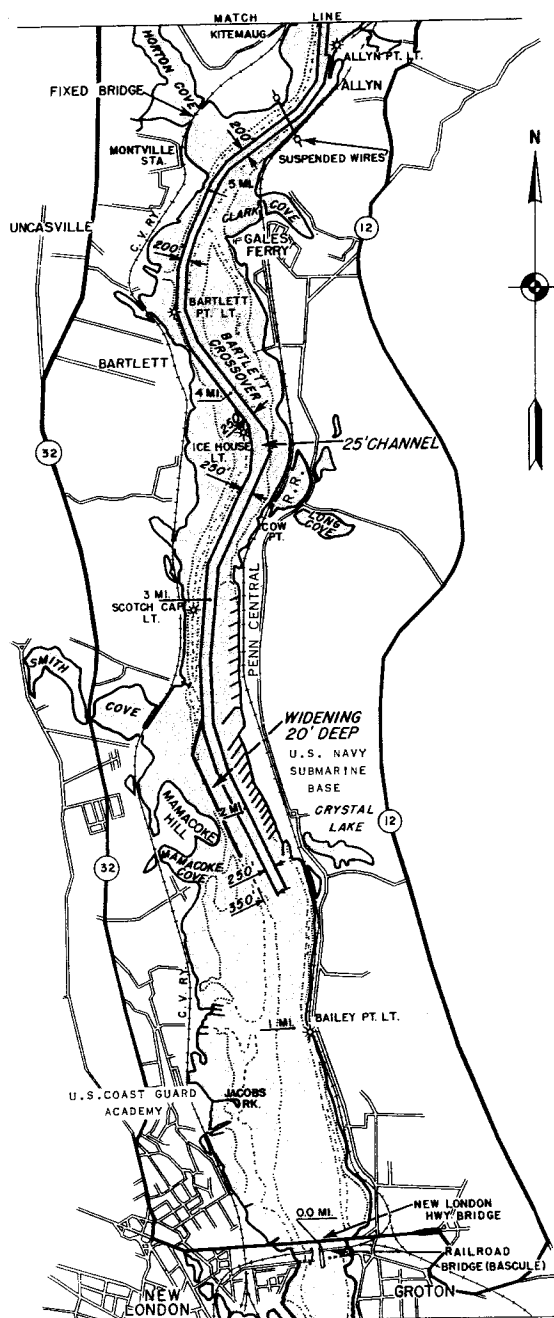
For more information, contact the publisher or the nearest distributor. For a complete listing of titles, please write to the publisher.

Additional undamaged submarine pipelines and submarine cables may exist within the area of the crash. All submarine pipelines and submarine cables are required to be buried and those that were originally buried may have become exposed. Mariners should use extreme caution when operating vessels in depths of water comparable to their draft areas where pipelines and cables may exist and when anchoring, dragging or towing.

Covered wells may be marked by lighted or unlighted buoys.



Please mark the location of your facility as accurately as possible above. This map was generated from NOAA nautical chart No. 12363



BRIDGE CLEARANCES

RAILROAD BRIDGE (BASCULE)

Hor. 151.5 ft.

Vert. 30.9 ft. M.H.W.

NEW LONDON HIGHWAY BRIDGE (FIXED)

Hor. 200 ft.

Vert. 135 ft. M.H.W.

SHETUCKET RIVER

HIGHWAY BRIDGE (FIXED)

Hor. 109 ft.

Vert. 18 ft. M.H.W.

RAILROAD BRIDGE (FIXED)

Hor. 229 ft.

Vert. 13.1 ft. M.H.W.

THAMES RIVER, CONN.

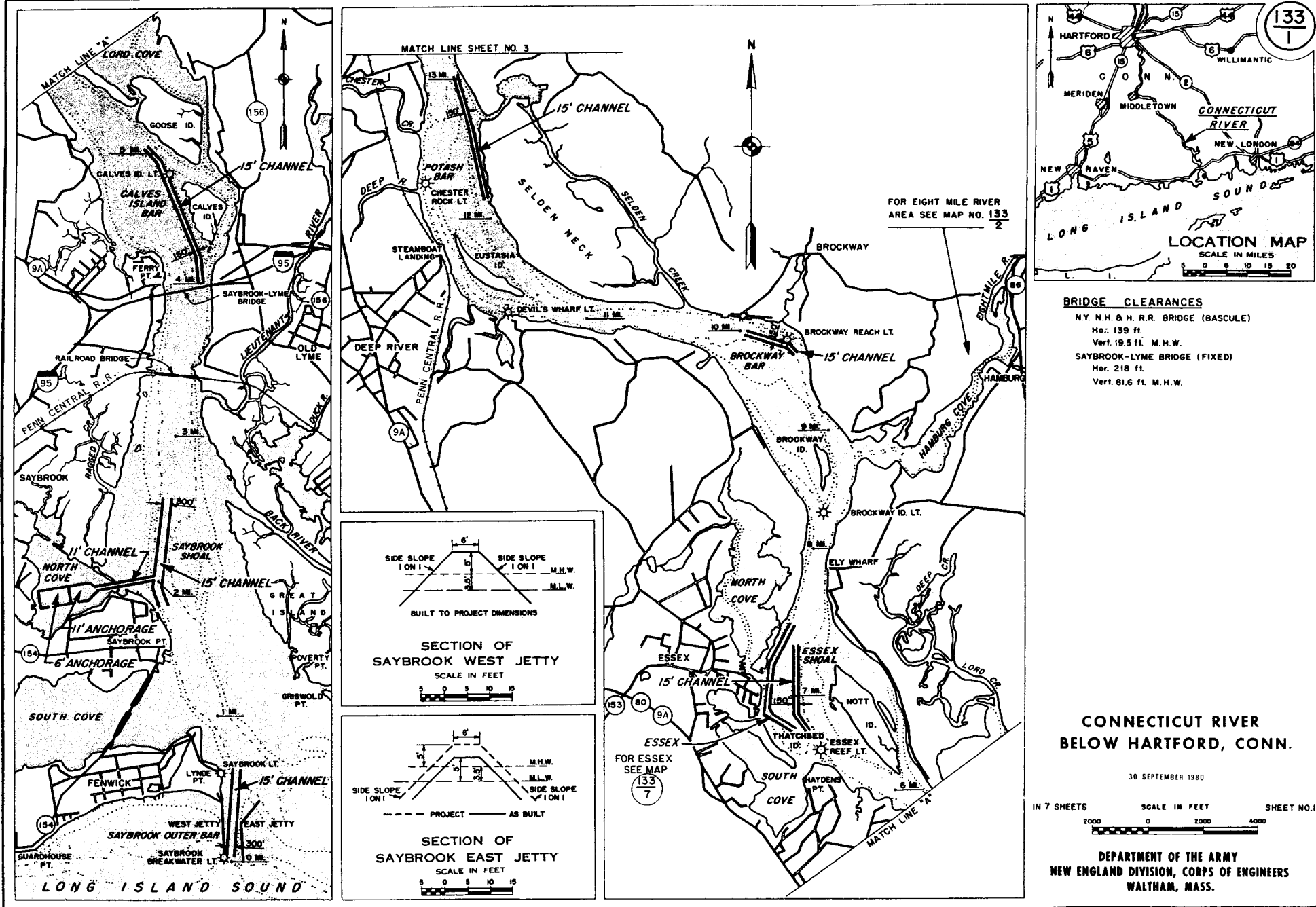
30 SEPTEMBER 1980

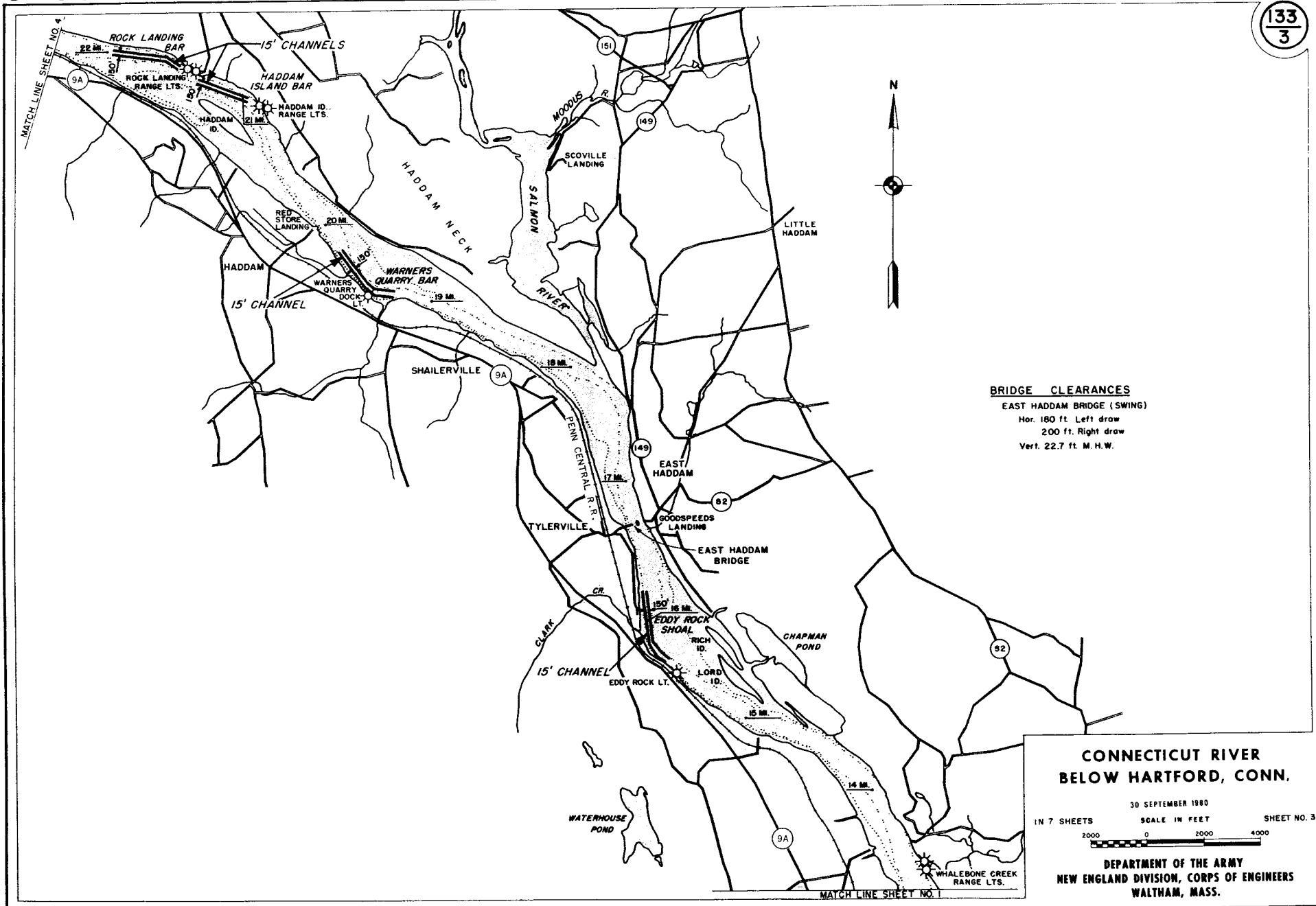
IN 1 SHEET

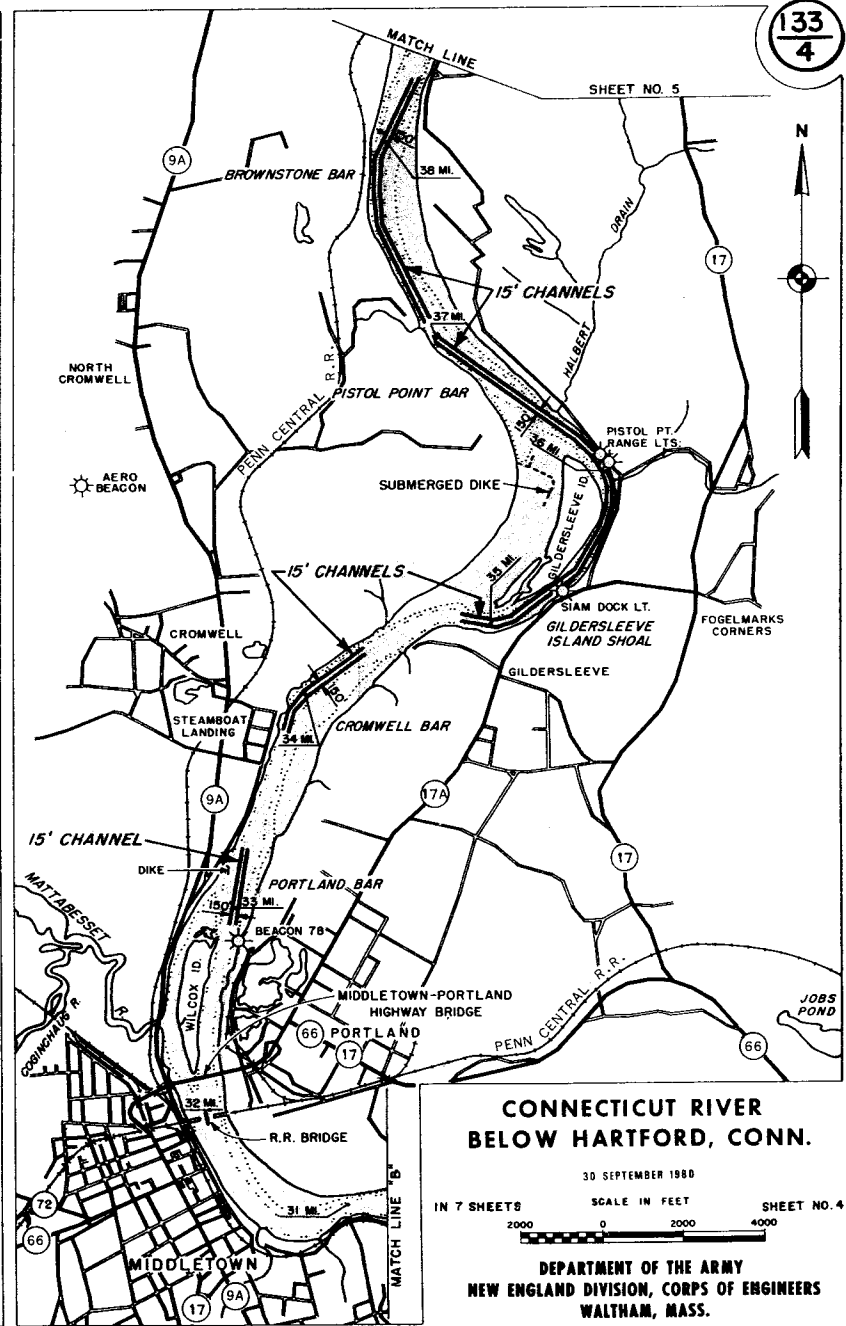
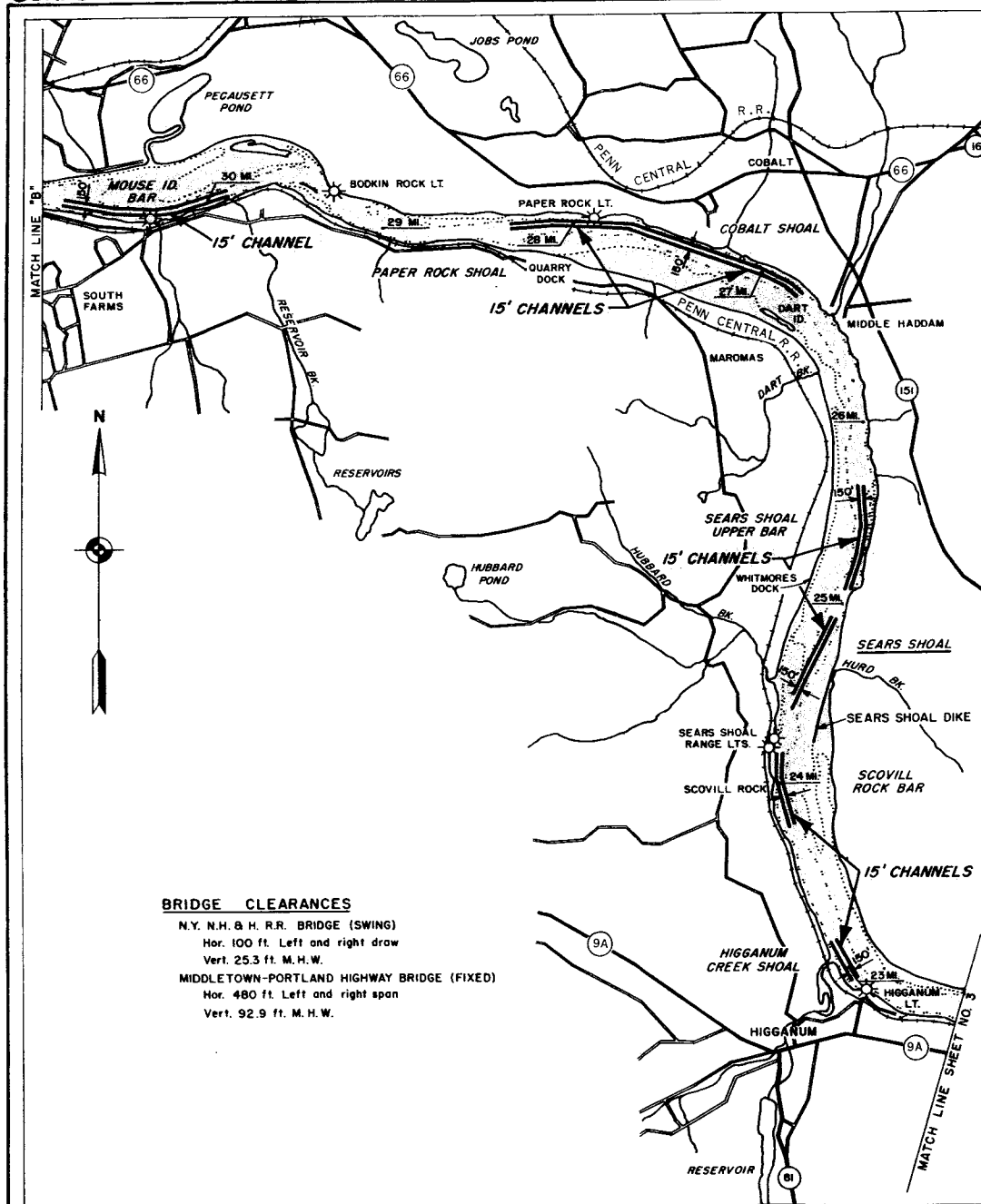
SCALE IN FEET

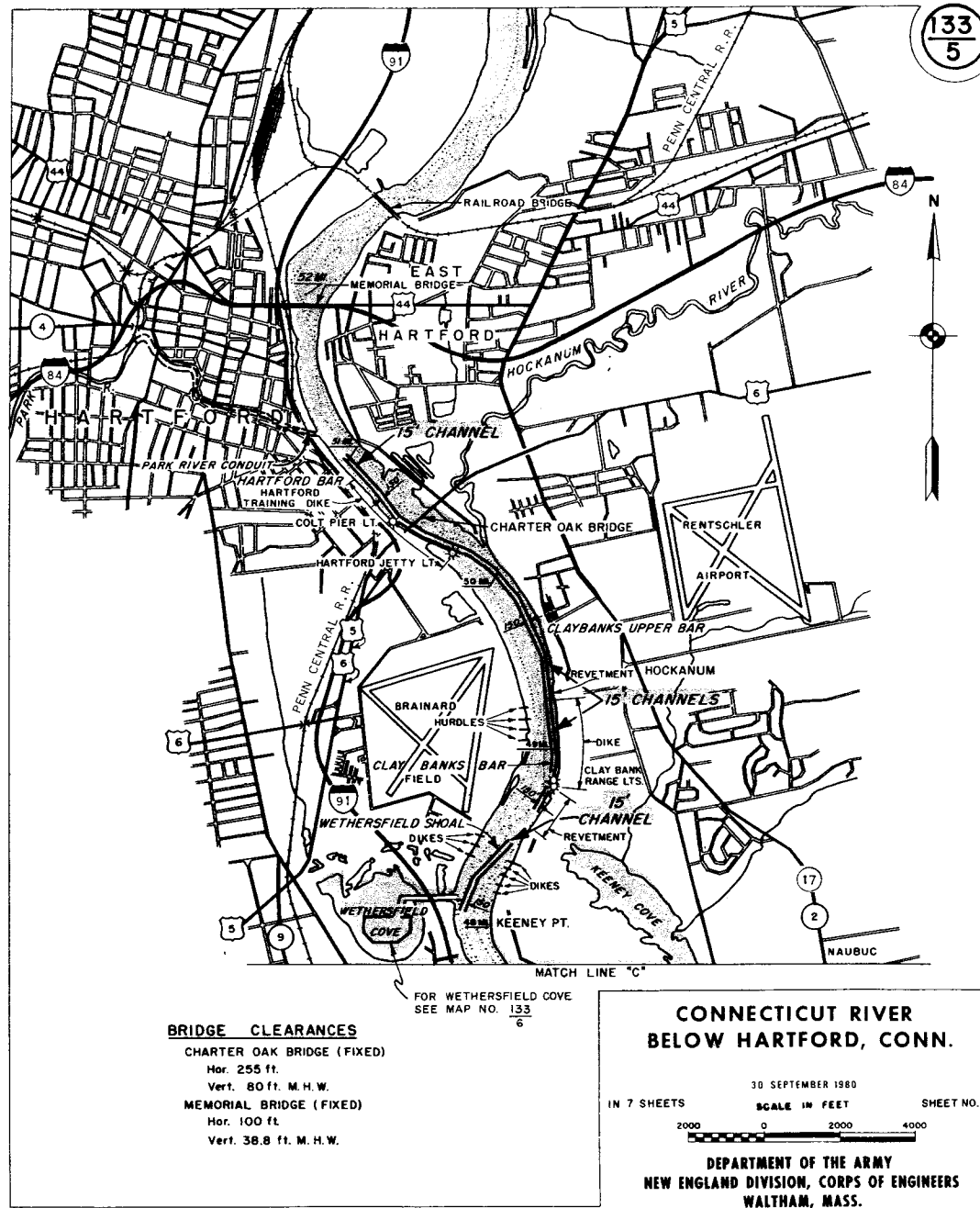
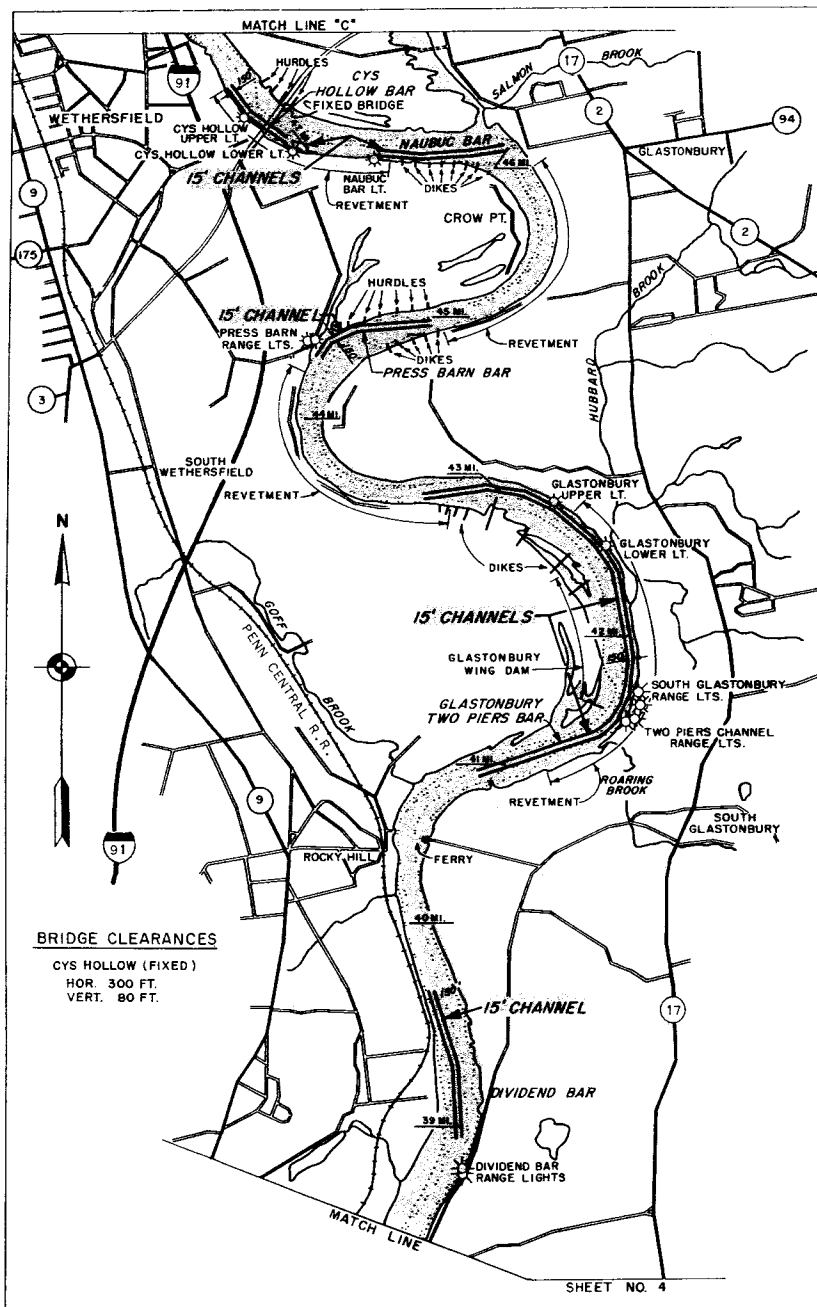
2000 0 2000 4000

DEPARTMENT OF THE ARMY
NEW ENGLAND DIVISION, CORPS OF ENGINEERS
WALTHAM, MASS.









41°50' 72°40' 72°38'

MATCH LINE SHEET NO. 2

91 159 291 84

WILSON

PENN CENTRAL R.R.

TO SPRINGFIELD

SUSPENDED WIRES

BOYLES BROOK

MEADOW BROOK

DIVERSION CHANNEL

HARTFORD

EAST HARTFORD

TO NEW YORK

TO BOSTON

U.S. 5

U.S. 6

U.S. 5, 6 & 44

HOCKANUM R.

CONN. 2 & 17

PARK R. (PARK R. CONDUIT) TO SAYBROOK

91

41°48' 41°46' 72°40' 72°38'

BISSELL BRIDGE
CLEARANCES
HOR. 100 FT.
VERT. 48.4 FT. M.H.W.

RAILROAD BRIDGE (FIXED)
CLEARANCES:
HOR. 125 FT.
VER. 28.8 FT. M.H.W.

PROPOSED HARTFORD DAM & LOCK
CREST ELEVATION 8.0 FT. ABOVE
HARTFORD ZERO.

MEMORIAL BRIDGE (FIXED)
CLEARANCES: HOR. 100 FT.
VER. 38.8 FT. M.H.W.

SEE 133 7

CONNECTICUT RIVER
ABOVE HARTFORD, CONN.

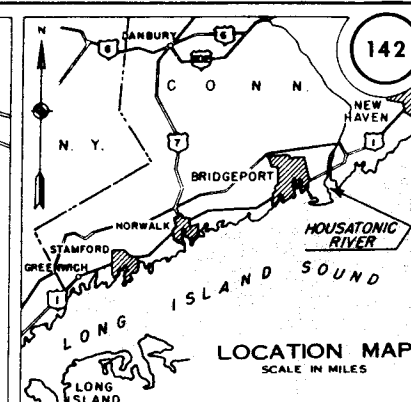
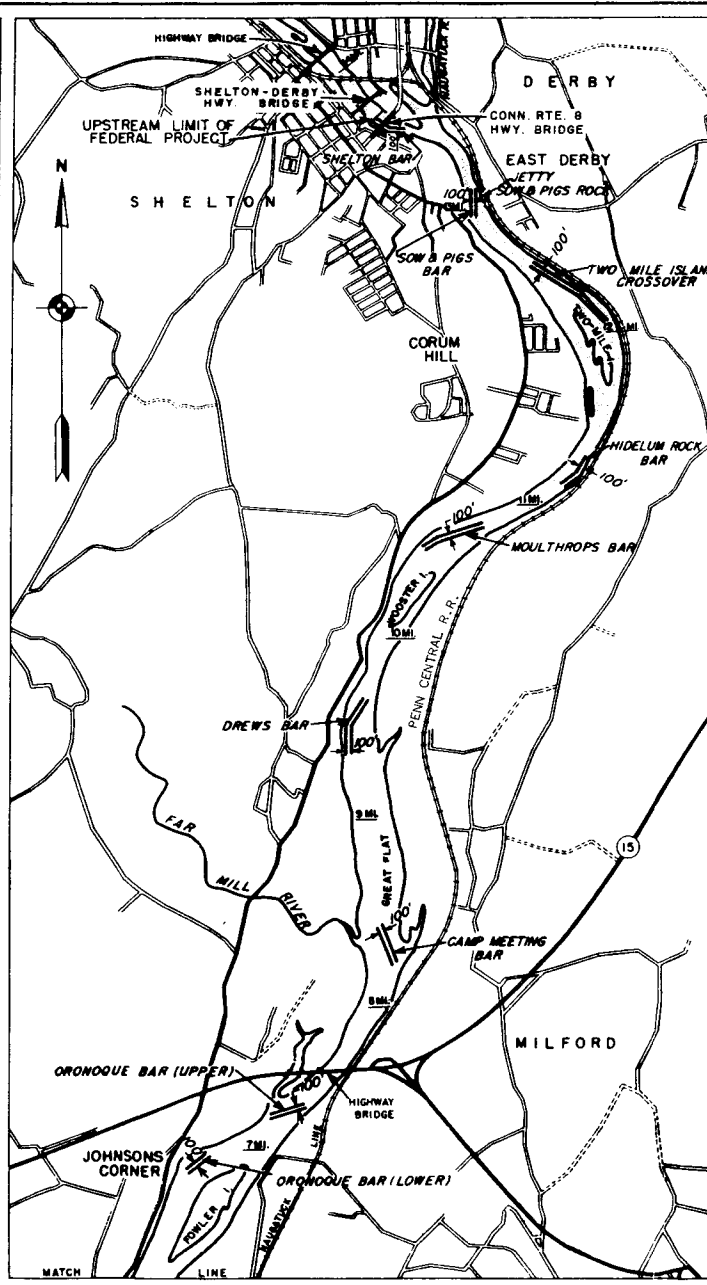
30 SEPTEMBER 1980

IN 6 SHEETS SHEET NO. 1

2000 0 2000 4000 6000 FT.

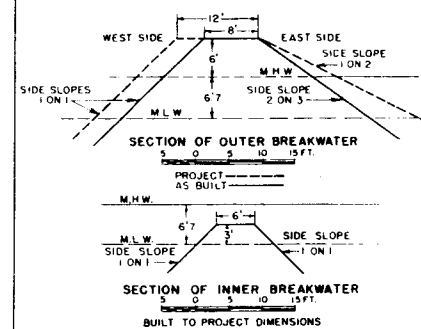
NOTE: Locations of locks, dams and dredging are tentative only.

DEPARTMENT OF THE ARMY
NEW ENGLAND DIVISION, CORPS OF ENGINEERS
WALTHAM, MASS.



BRIDGE CLEARANCES

STRATFORD-DEVON HWY BRIDGE (BASCULE)	HOR 125 FT.
CONN. TURNPIKE BRIDGE (FIXED)	HOR. 100 FT.
PENN CENTRAL R.R. BRIDGE (BASCULE)	HOR 81.5 FT.
MILFORD-STRATFORD HWY BRIDGE (FIXED)	HOR. 167 FT.
SHELTON-DERBY HWY. BRIDGE	VERT. 85.5 FT. M.H.W.
	HOR. 100 FT.
	VERT. 30 FT. M.H.W.



HOUSATONIC RIVER, CONN.

30 SEPTEMBER 1980

